

ENGLISH
P14888D
JUNE 2010

OPERATORS MANUAL & PARTS LIST

SL700

SIMBA
Great Plains



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DECLARATION OF CONFORMITY

Simba International Limited hereby declare that the **Simba SL**, as defined by the Serial Number attached to the Machine Chassis, conforms with the following Directives and Regulations, and has been certified accordingly.

EC Machinery Directive 2006/42/EC.

The Supply of Machinery (Safety) Regulations 2008.

The Provision and Use of Work Equipment Regulations 1998.

Specifically related harmonised standards are:

EN ISO 12100-1: 2003 (Safety of Machinery).

EN ISO 12100-2: 2003 (Safety of Machinery).

EN ISO 4254-1: 2005 (Agricultural machinery - Safety).

THE MANUFACTURER:

Simba International Limited
Woodbridge Road
SLEAFORD
Lincolnshire
NG34 7EW
England

Telephone (+44) (0)1529 304654.

CERTIFIED ON BEHALF OF SIMBA INTERNATIONAL LIMITED:



Guy Leversha
Managing Director



WARRANTY

TERMS AND CONDITIONS

In this warranty Simba International Ltd., is referred to as “the Company”.

1. Subject to the provisions of this warranty the Company warrants each new machine sold by it to be sold free from any defect in material or workmanship for a period of 12 months from date of installation with the end-user.

Some specific items have additional warranty over and above the standard 12 months. Details of these can be obtained upon request directly from the distributor or Simba International Ltd.

2. If the machine or part thereof supplied by the Company is not in accordance with the warranty given in clause 1 the Company will at its option:
 - (a) make good the machine or part thereof at the Company's expense, or
 - (b) make an allowance to the purchaser against the purchase price of the machine or part thereof, or
 - (c) accept the return of the machine and at the buyers option either:
 - I) repay or allow the buyer the invoice price of the machine or part thereof, or
 - II) replace the machine or part thereof as is reasonably practical.
3. This warranty shall not oblige the Company to make any payment in respect of loss of profit or other consequential loss or contingent liability of the Purchaser alleged to arise from any defect in the machine or impose any liability on the Company other than that contained in clause 2.
4. Any claim under this warranty must be notified to the Company in writing specifying the matters complained of within 14 days from the date of repair.
5. Any claim under this warranty must be made by the original purchaser of the machine and is not assignable to any third party.
6. If the purchaser hires out the machine to any third party the warranty shall apply only to matters notified to the Company in writing within 90 days of the date of delivery and clause 1 shall be read as if the period of 90 days were substituted for the period of 12 months.
7. The warranty will cease to apply if:
 - (a) any parts not made, supplied or approved in writing by the Company are fitted to the machine or
 - (b) any repair is carried out to the machine other than by or with the express written approval of the Company or
 - (c) any alterations not expressly authorized by the Company in writing are made to the machine or
 - (d) the machine is damaged by accident or
 - (e) the machine is abused or overloaded or used for a purpose or load beyond its design capabilities, or used in conjunction with a tractor whose power output capability exceeds the stated implement power requirement by more than 40%. For the purpose of these terms and conditions, “stated implement power requirement” refers to wheeled tractors unless specifically stated. These power requirements should be reduced by 20% when used in conjunction with tracked tractors.
 - (f) the machine is operated as part of a ‘cultivation train’ where more than one implement is being towed, without the express written approval of Simba International Ltd.
 - (g) any maintenance is not carried out in accordance with the service schedules in the operator's manual.
 - (h) the Installation and Warranty Registration Certificate is not received by Simba International Ltd., Service Dept., Woodbridge Road, Sleaford, Lincolnshire, England, NG34 7EW, within 7 days of installing a new machine.

Machine Identification

Enter the relevant data in the following list upon acceptance of the machine:

Serial Number	
Type of Machine	
Machine Width	
Year of Construction	
Delivery Date	
First Operation	
Accessories	

Operating Instructions/Spare Parts List: June 2010

Dealer Address: Name: _____
 Street: _____
 Place: _____
 Tel.: _____

Dealer's Customer No.: _____

SIMBA Address: SIMBA
 Woodbridge Road Ind. Est.
 Sleaford
 Lincolnshire
 NG34 7EW

Tel.: +44 (0) 1529 304654
 Fax: +44 (0) 1529 413468
 E-Mail: simba.international@simba.co.uk

SIMBA Customer No.: _____

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Introduction

Foreword

Make sure you have read and follow the Operating Instructions carefully before using the machine. By doing so, you will avoid accidents, reduce repair costs and downtime and increase the reliability and service life of your machine. Pay attention to the safety instructions!

SIMBA will not accept any responsibility for any damage or malfunctions resulting from failure to comply with the Operating Instructions.

These Operating Instructions will assist you in getting to know your machine and in using it correctly for its intended purposes. First, you are given general instructions in handling the machine. This is followed by sections on servicing, maintenance and the action to be taken should a malfunction occur.

These operating instructions are to be read and followed by all persons working on or with the machine, e.g.:

- Operation (including preparation, remedying of faults in the operating sequence and servicing).
- Maintenance (maintenance and inspection)
- Transportation.

Together with the Operating Instructions, you receive a Spare Parts List and a Machine Registration form. Field service technicians will instruct you in the operation and servicing of your machine. Following this, the Machine Registration form is to be returned to your dealer. This confirms your formal acceptance of the machine. The warranty period begins on the date of delivery.



We reserve the right to alter illustrations as well as technical data and weights contained in these Operating Instructions for the purpose of improving the machine.

Warranty Guidelines

The period of liability for material defects (warranty) relating to our products is 12 months. In the case of written deviations from the statutory provisions, these agreements shall apply.

They shall become effective upon installation of the machine with the end customer. All wear parts are excluded from the warranty.

All warranty claims must be submitted to SIMBA via your dealer.

1. Safety Data

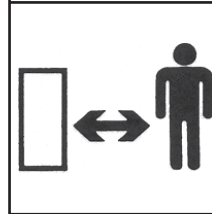
The following warnings and safety instructions apply to all sections of these Operating Instructions.

1.1 Safety Symbols

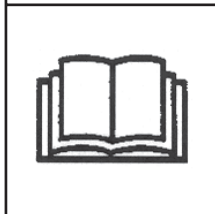
On the machine



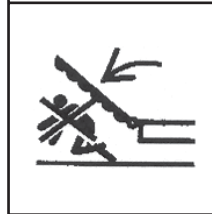
Parts may fly off during operation. Keep a safe distance away from the machine!



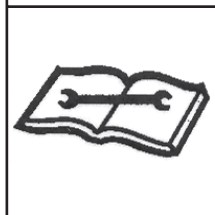
Read and observe the Operating Instructions before using the machine!



Keep clear of the working range of foldable machine components!



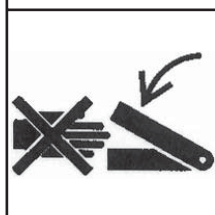
Watch out for escaping pressurised fluids! Follow the instructions in the Operating Instructions!



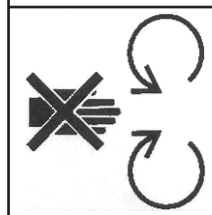
No passengers are allowed on the machine!



Never reach into areas where there is a danger of being crushed by moving parts!



Never reach into any revolving parts!





Refer to Operating Instructions before attempting maintenance.

Operating Instructions:

The Operating Instructions distinguish between three different types of warning and safety instructions. The following graphic symbols are used:



Important!



Risk of injury!



Risk of fatal and serious injuries!

It is important that all the safety instructions contained in these Operating Instructions and all the warning signs on the machine are read carefully.

Ensure that the warning signs are legible. Replace any signs that are missing or damaged.

These instructions must be followed in order to prevent accidents. Inform other users of the warnings and safety instructions.

Do not carry out any operations which may affect safe use of the machine.

All references to left and right in this manual are made from the rear of the machine, facing the direction of travel (unless otherwise stated).

1.2 Use for the Intended Purpose

The SIMBA SL is built using the latest technology and in accordance with the relevant recognised safety regulations. However, risks of injury for the operator or third parties and impairment of the machine or other tangible assets can arise during use.

The machine is only to be operated when in a technically perfect condition and for the intended purpose, taking into consideration safety and risks and following the Operating Instructions. In particular, faults that can impair safety are to be remedied immediately.

Original parts and accessories from SIMBA have been specially designed for this machine. Spare parts and accessories not supplied by us have not been tested or authorised. Installation or use of non-original SIMBA products may have a detrimental effect on specific design features of the machine and affect the safety of machine operators and the machine itself. SIMBA will accept no liability for damage resulting from the use of non-original parts or accessories.

The SIMBA SL is designed solely as a cultivation implement. Use for any other purpose, e.g., as a means of transport, will be deemed to be improper use. SIMBA will accept no liability for damage resulting from improper use. The risk will be borne solely by the operator.

Use of the SL behind high power tractors (in excess of 40% above the maximum recommended) can lead to high loads and stresses which can cause long term structural damage to the chassis and key components. Such overloading can compromise safety and is to be avoided.

1.3 Operational Safety

The machine is to be put in operation only after instruction has been provided by an employee of the authorised dealer or an employee of SIMBA. The "Machine Registration" form is to be completed and returned to your dealer.

All protective and safety equipment, such as removable protective equipment, must be in place and functioning reliably before the machine is put in use.



Check screws and bolts regularly for tightness and retighten if necessary.



In the event of malfunctions, stop and secure the machine immediately.



Ensure that any faults are remedied immediately.

1.4 No Liability for Consequential Damage

The SL has been manufactured by SIMBA with great care. However, problems may still occur when it is used for the intended purpose. These may include:

- Worn wearing parts.
- Damage caused by external factors.
- Incorrect driving speeds.
- Incorrect setting of the unit (incorrect attachment, non-adherence to the Setting instructions).



Therefore, it is crucial to always check your machine before and during operation for correct operation and adequate application accuracy.

Compensation claims for damage which has not occurred to the machine is excluded. This includes any consequential damage resulting from incorrect operation.

1.5 Road Traffic Safety

When driving on public roads, tracks and areas, it is important to observe the relevant road traffic laws as well as the specific regulations relating to this machine.



Pay attention to the permitted axle loads, tyre carrying capacity, and total weight in order to maintain adequate braking and steerability.



Passengers on the machine are strictly forbidden!



Check that lights / indicators (if applicable) are working before transporting the machine.



Max. road transport speed 16mph (25km/h).

1.6 Accident Prevention

In addition to the Operating Instructions, it is important to observe the accident prevention regulations specified by agricultural trade associations. It is the Operator's responsibility to ensure that all other persons are excluded from the danger zones surrounding or on the machine during its operation.

It is the Owner's responsibility to ensure:

- the Operator is trained and competent to use the machine & tractor,
- the tractor is suitable for the machine
- adequate Risk and COSHH assessments have been undertaken regarding the machine's use. Specifically, these include issues concerning contact with the soil, dust, crop residues, chemicals, lubricants and other compounds during operation or maintenance, and the possibility of stones being ejected at high speed during work.



Beware of trapping hazards when manipulating the parking stand, OSR platform and other hinged parts. Ensure any heavy components are fully supported when removing pins / bolts.

1.6.1 Hitching-up the machine

There is a risk of injury when hitching/unhitching the machine. Observe the following:

- Secure the machine against rolling.
- Take special care when reversing the tractor!
- There is a risk of being crushed between the machine and the tractor!
- Park the machine on firm, level ground.

1.6.2 On the Hydraulic System

Do not connect the hydraulic lines to the tractor until both hydraulic systems (machine and tractor) are depressurised.



Any hydraulic system containing an accumulator can remain under pressure permanently (even after following manual depressurisation procedures with a tractor / implement combination). It is therefore important to check all lines, pipes, and screw connections regularly for leaks and any recognisable external damage.



The hydraulic circuit contains specialised fittings which should not be tampered with under any circumstances. Do not attempt to modify hose routings or hose clamping arrangements, doing so may cause serious damage to the machine and/or injury.

Only use appropriate aids when checking for leaks. Repair any damage immediately. Spurting oil can cause injuries and fires!

In case of injury, contact a doctor immediately.

The socket and plugs for the hydraulic connections between the tractor and the machine should be colour-coded in order to avoid incorrect use.

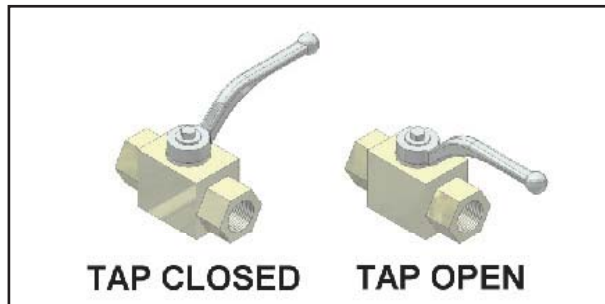


Fig. 1.01: HydraulicTaps

1.6.3 Changing Equipment

- Secure the machine to prevent it from accidentally rolling away!
- Use suitable supports to secure any raised frame sections suspended above you!
- Caution! Risk of injury due to projecting parts!



Never climb on to rotating parts such as the roll unit. These parts may rotate causing you to slip and suffer serious injury!



Removing components during maintenance may affect the stability of the machine. Ensure it is fully supported in case of unexpected weight shifts.

1.6.4 During Operation

Ensure that the working range and the area around the machine are clear (children!) before operating the machine.

Always ensure adequate visibility!

Do not stand on the machine while it is in operation!

Operators must have a valid driving licence in order to drive on public roads. In the operating area, the operator is responsible for third parties.

The person in charge must:

- provide the operator with a copy of the Operating Instructions, and
- ensure that the operator has read and understood the instructions.
- make sure that the operator is aware of the specific regulations relating to the machine when driving on public roads.

1.7 Servicing & Maintenance

Ensure that regular checks and inspections are always carried out within the periods required by law or specified in these Operating Instructions.

When carrying out service and maintenance work always:

- switch off the tractor engine and remove the ignition key.
- wait until all the machine parts have stopped moving.
- depressurise the hydraulic system.

Many hydraulic circuits contain lock or overcentre valves which can retain pressure in the lines even after depressurising the tractor side of these circuits. If in doubt, consult trained personnel (such as your local Simba Dealer) to ensure such valves are depressurised to the correct procedure before removing or servicing any parts connected downstream of these valves.

Check all hydraulic lines for leaks, loose connections, chafe marks and damage. Remedy any deficiencies immediately! Pay particular attention to hose renewal intervals as outlined in the specific sections which follow. ALL hydraulic hoses have a safe maximum working life of 6 (SIX) years from date of installation, provided they remain in a safe condition. Hoses which exceed 6 years of age should be replaced, or inspected and certified by a suitably qualified person to have an extended life period which should be recorded.

Pay particular attention to those items which require specialist service tools or training to be carried out by qualified personnel. Do not attempt to service these items yourself! These include items retaining pressure (e.g. accumulator circuits), or force (e.g. spring tines), and DD Rolls of any type.

Prior to performing maintenance and servicing work, ensure that the machine is positioned on solid, level ground and is secured to prevent it rolling away. Do not use any parts to climb on to the machine unless they are specifically designed for this purpose.

Before cleaning the machine with water, steam jets (high-pressure cleaning apparatus) or other cleaning agents, cover all openings into which, for reasons of safety or operation, no water, steam or cleaning agents are to penetrate (bearings, for instance).

Lubricate all the lubricating points to force out any trapped water.

When carrying out servicing and maintenance work, retighten any loose screw connections.

When servicing the machine take precautions against soil, dust, seed coatings, oil or any other hazardous substances that you might encounter.

On a new machine tighten all nuts and bolts after 5 hours work and again after 15 hours. This also applies to parts that have been moved or replaced. After the initial 15 hours of work a once a week check should be sufficient depending on daily work rates.

1.8 Operating Areas

The operating areas include the drawbar, hydraulic connections and depth adjustment equipment as well as all operating points requiring maintenance.

All operating areas will be specified and described in detail in the following chapters on servicing and maintenance.

Observe all safety regulations included in the section dealing with Safety, and in the subsequent sections.

1.9 Authorised Operators

Only those persons who have been authorised and instructed by the operator may operate the machine. The operator must be at least 16 years of age.

1.10 Protective Equipment

For operation and maintenance, you require:

- Tight fitting clothing.
- Strong protective gloves (to provide protection against sharp-edged machine components).
- Protective goggles (to stop dirt getting into your eyes).

2. Transportation and Installation

Transportation and initial installation of the machine are described in this chapter.

2.1 Delivery

The machine is normally delivered fully assembled. In some cases, however, certain elements of the machine may have been mounted differently for transportation purposes (the lights may be mounted vertically rather than in their usual horizontal position for example). In these instances please contact your Simba dealer.

- The machine should be hitched to a tractor and driven off a low-loader.

2.2 Transportation

The SL can be transported on public roads by hitching it up to a tractor or on a low-loader.

- It is important to observe the permitted dimensions and weights when transporting the machine.
- If the machine is transported on a trailer or a low-loader, it must be secured using straps or other devices.
- Before transporting the machine on public roads, it must be adjusted to its transportation position and the stipulations relating to road transportation fulfilled.
- The maximum permissible transport speed is 25 km /h (16mph)



On machines fitted with a Turbo-Jet seeder unit the hopper should be emptied before road transport.

2.3 Installation

When carrying out installation and maintenance work there is a higher risk of injury. It is important that you familiarise yourself with the machine and read the Operating Instructions beforehand.

Operator instruction and initial installation of the machine are carried out by our service technicians or authorised distributors.

The machine must not be used in any way beforehand! The machine can only be released for operation after instructions have been provided by our service technicians or authorised distributors.

- If any modules or parts have been removed for transportation, these shall be mounted by our service technicians/authorised dealers before the instruction takes place.
- Check all important screw connections!
- Lubricate all nipples and joints!
- Check all hydraulic connections and lines for damage.

2.4 Hitching Up

2.4.1 Hitching up a Tractor to the SL700 / Preparing for Transport



When hitching-up the machine, ensure that no-one is between the tractor and the machine.



When the SL700 is parked for extended periods of time it should ideally be left in the unfolded, i.e. work position for stability, safety and ease of access for maintenance. However, parking the SL700 in the folded position (ensuring the transport lock is engaged) is acceptable in the normal course of operation.



Tractor Oil Flow Adjustment:

As a general rule the tractor oil flow rate should be set in the lowest setting before starting. This can then be increased to allow the desired rate of operation as applicable. This will minimise excessive oil flow and consequent power usage and heat generation.

1. Ensure the tractor hydraulics are depressurised and in the locked or closed (not float) setting.
2. Couple the hydraulic hoses to the tractor ensuring that the two wing hoses (yellow) are together, the two drawbar cylinder hoses (red) are together, the tine frame hoses (green) and the rear roll hoses (blue) are together.
3. Connect the tractor to the drawbar using the hydraulics to raise or lower the height of the shackle.

4. Raise the drawbar and move the parking stand to its transport position.

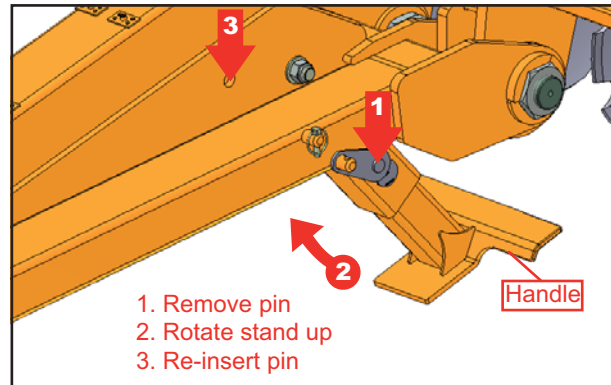


Fig. 2.01: Parking Stand

5. Carefully operate the hydraulics to lower the drawbar and tilt the SL700 onto the road transport wheels. Extend the drawbar cylinder and lift axle cylinder enough to add in the requisite amount of shims for road transport. Ordinarily a 51mm silver shim in each lift cylinder should be used to give a transport height of 3930mm, however the machine can be transported without shims in the lift cylinders provided that road conditions are suitable (this gives a transport height of 3850mm).
6. Ensure that the wing lock is engaged correctly before transporting the machine.

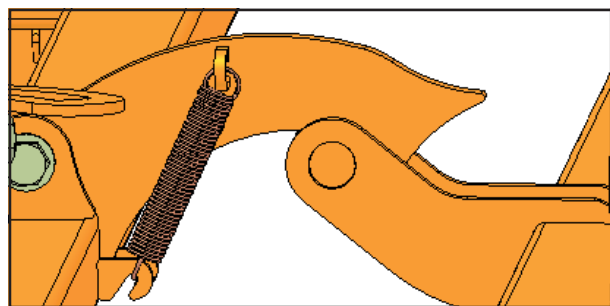


Fig. 2.02: Transport Lock

7. If the machine is already folded it is proceed to the next step. If the machine is unfolded please refer to 2.5.2.
8. Remove the wheel chocks and stow as shown on page 50.

2.5 Folding and Unfolding

2.5.1 Unfolding into the Work Position

- 1 Raise the machine until the pointer is aligned with the mark on the lift cylinder.
- 2 Fully extend the tine beam to release the transport lock.
- 3 Unfold the machine until the pointer reaches the red line on the wing cylinder and stop. (Using the pointers / markers ensures that the machine is folding under 4m).



Ensure the wings unfold together (ie. symmetrically). If they don't, fold them and start again.

- 4 Fully retract the tine beam.
- 5 Raise the machine enough for the wings to clear the ground when unfolding.
- 6 Resume unfolding the wings until fully unfolded.

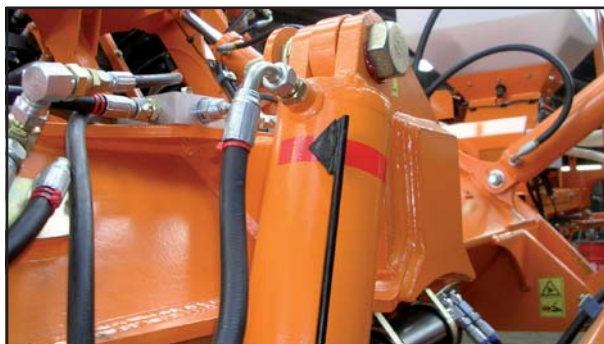


Fig. 2.02: Lift Cylinder Pointer and Marker

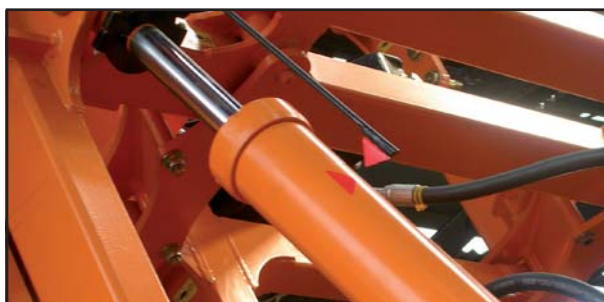


Fig. 2.03: Wing Cylinder Pointer and Marker

2.5.2 Folding into the Transport Position



Pay attention to your surroundings. Beware of any overhead power lines etc. when folding.

- 1 Draw up the rear roll and isolate the circuit using the taps.
- 2 Retract the tine beam.
- 3 Raise the machine enough for the wings to clear the ground when folding.
- 4 Fold the machine until the marker on the wing cylinder reaches the red line.



Ensure the wings fold together (ie. symmetrically). If they don't, unfold them and start again.

- 5 Lower the machine until the marker on the lift cylinder reaches the red line.
- 6 Finish folding the machine until the wing lock engages.
- 7 Lower the machine the remainder of the way onto the transport shims.
- 8 The machine is now ready for road transport.



Road transport speed should not exceed 16mph (25kmh).



Fig. 2.04: Folding the SL700

2.6 Trailing Implements

2.6.1 Hitching a Press Roll to the SL700



Maximum rear drawbar vertical loading - 650kg



Adding a trailing implement to the SL will affect the stability and handling of the machine both in transport and work.

1. Raise Machine to remove shims from the lift axle to allow rear drawbar to be raised/lowered.
2. Reverse the SL700 up to the press roll, ensuring that the drawbars are correctly aligned allowing a slight clearance to enable the machines to be coupled together.
3. Lower the SL700 to the ground.
4. Attach the hydraulic hoses between the SL700 and the press roll.
5. Open the taps on the press roll drawbar.
6. Raise the press roll drawbar to approximately 300mm above the SL700 drawbar clevis.
7. Close the press roll drawbar taps.
8. Raise/lower the SL700 to the same height as the press roll drawbar, then reverse the SL700 to couple the two machines together.
9. Open the taps on the press roll drawbar.
10. Fully raise both machines into the road transport position.
11. Close the taps on the press roll drawbar.



Ensure that no fouling occurs between the SL and the towed machine.



Any tines on the towed machine should be adjusted so that they do not engage the soil (or should be removed altogether). In instances where a Simba UniPress is towed behind the SL the UniPress tine frame should be removed completely.

2.7 When driving on the road

When driving on the road the machine must be converted to the transportation position.



When driving on the road, ensure adequate clearance to prevent the working elements dragging on the ground.

2.8 Parking the machine

In order to avoid damage as a result of moisture, the machine should be parked, if possible, indoors or under cover.



When manoeuvring the machine, pay attention to your surroundings. Ensure that nobody is in the manoeuvring area.

- Fit wheel chocks.
- Lower the parking stand.
- Raise the machine and remove shims from the lift axle and drawbar cylinders.
- Lower the machine to the ground, ensuring that it is stable.



When parking with the machine unfolded, ensure that no load is carried by the Terra-Grip tines. This can lead to breakage of the points.

- Remove the drawbar pin and drive forward slowly until hitch is clear of tractor drawbar.
- Lower the drawbar to the ground.
- Switch off the tractor and disconnect hydraulic lines.

3. Technical Data SL700

	SL700
Working Width	6700mm
Transport Width	2950mm
Transport Height	3950mm
Length	9600mm
Weight	11500kg
Tractor Power Required *	350Hp
Centre of Gravity **	6200mm

* It is important to correctly match your implement to your tractor for optimum performance.

** Dimension from hitch in road transport.

Total weight:		11500kg
Drawbar load Vmax	(1)	1180kg
Axle load	(2)	10320kg
Drawbar Hitch:		Simba P09067
Standard:		PPI-421 V3
Data:	D	467kN
	V	3665kg
Axle:		AA0UI10T G
Max load permissible:		13000kg @ 25km/h
TUV :	G	14000kg
Tractor:	Minimum Weight:	10000kg
	Maximum Power:	350kW / 475Hp

4. Adjustment/Operation

4.1 Description

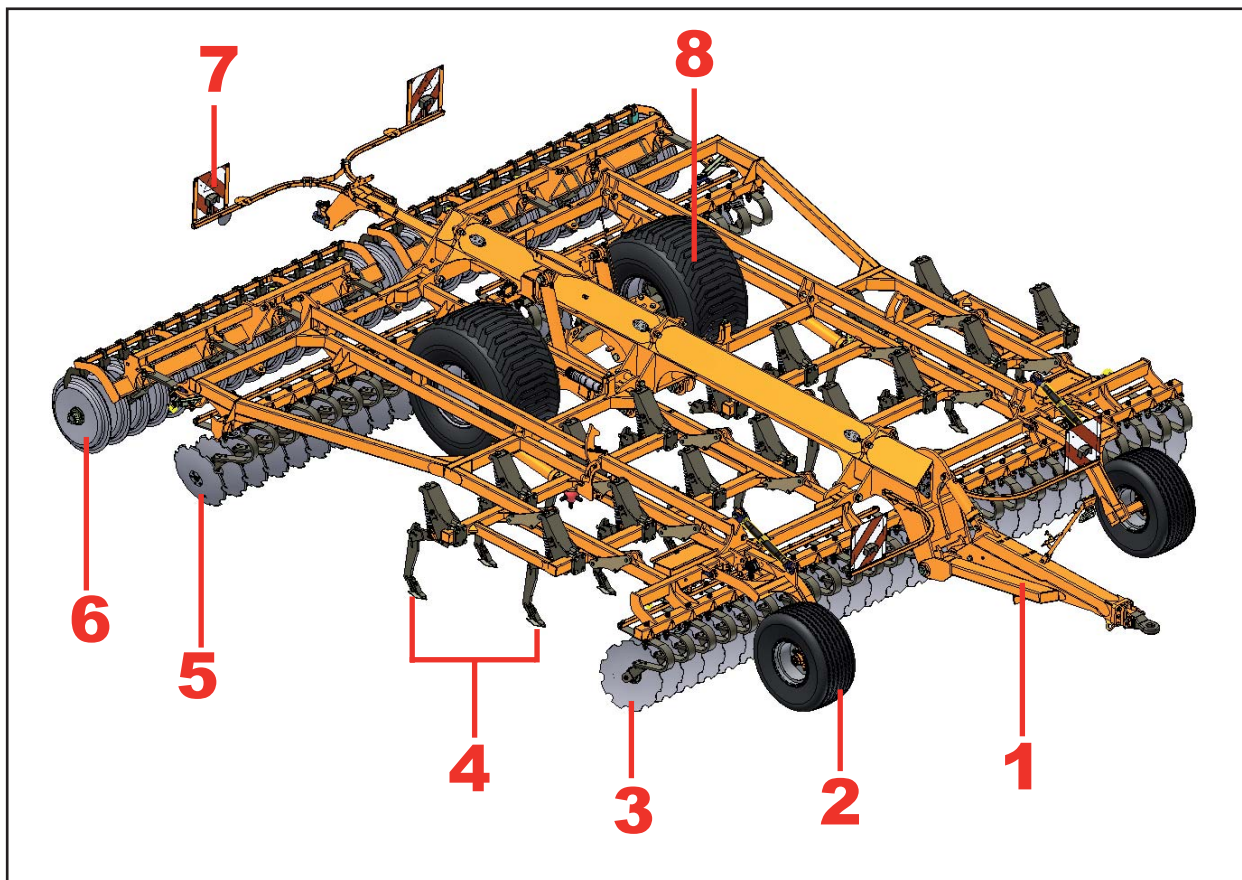


Fig. 4.01: Simba SL700

1. Drawbar
2. Front Depth Wheels
3. Front Discs
4. Terra-Grip Tines
5. Rear Discs
6. DD700 Roll
7. Lights
8. Transport Wheels

The **SIMBA SL700** is an amalgamation of time proven, successful Simba design components brought together to form this important development. The SL700 has been designed and produced in conjunction with the Simba **ECOtillage™** system to provide a one pass mix with a fissured layer at disc depth for through drainage and root access to lower horizons. This enables rapid drainage and access after rain, creating a greater effective capacity for moisture compared to ploughing for the same effective total depth of cultivation.

In principle, the machine is an offset disc with Terra-Grip tines, designed for low draft, high speed operations. The addition of a levelling board and rear mounted roll enables more effective cultivation in one pass. The leading set of disc blades cultivate the top horizon, minimising clod formation and reducing tine loadings and blockage. This starts the 'top down' cultivation process, retaining weathered tilth in the surface level for stale seedbed purposes. The tines follow the disc blades to shatter at depth retaining the surface intact to work as an **ECOtillage™** stale seedbed. This eliminates the problem of 'wet years' in non-plough based terms. The key to the SL700's success is the lower draft tine point and wing which maintain shatter across the full width of cultivation. The rear roll then consolidates the surface, cracks any clods and firms the soil profile after the rear gang completes mixing to depth. The corrugated top and shattered lower horizons are left fully weatherproof to any conditions between cultivation and drilling whilst retaining moisture below the surface for rapid straw breakdown and optimum establishment of the next crop.

4.2 Depth Wheels

The depth wheel units support the front of the machine helping to reduce the load on the drawbar / rear of tractor in work and ensuring a level soil finish.

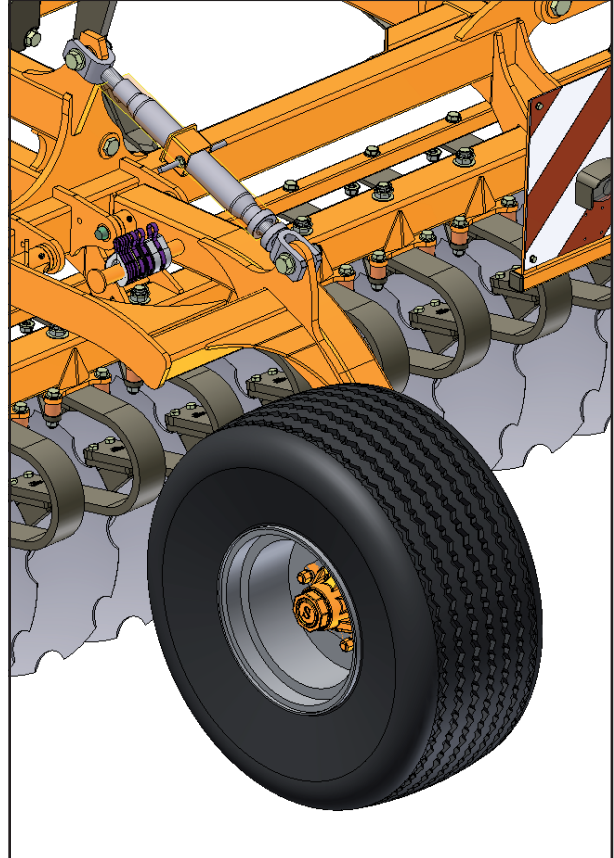


Fig. 4.02: Depth Wheels

4.3 Disc Units

The SL700 features two rows of discs which chop and mix the crop residue. A disc spacing of 250mm ensures a fine tilth.

The discs fitted to the SL700 are 610mm in diameter (24") and 6mm thick. They are manufactured from heat treated chrome boron steel which ensures excellent wear resistance and enhanced working life.

Each disc is mounted on a Pro-Flex sprung leaf linked to a track rod system. Gang angles can be varied with ease and accuracy using a graduated adjuster.

Adjustable angling of the discs (between 10°-25°) ensures penetration and stubble mixing are achieved in one pass. All this is achieved without compromise to consolidation.

A level, evenly cultivated finish is maintained by adjusting the balance of soil throw between the front and rear disc.

Sprung Pro-Flex leaves offer protection against damage as well as offering a degree of contour following as they flex up and down in work.

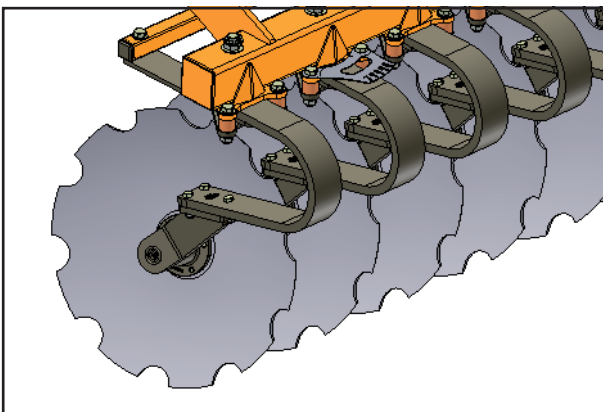


Fig. 4.03: Front Disc Gang

4.4 Terra-Grip Tines

Terra-Grip tines have a robust, basic construction and are suitable for all soil types.

The spring-loaded auto-reset system with a 500kg trip force on each tine prevents damage to the tines and tine brackets.

When the auto reset system is activated an initial progressive phase holds the tine in the ground in a steady position until the trip point is reached. In the subsequent spring compression phase the tine is raised gently and rapidly to a maximum height of 230mm.

The tines can be fitted with a selection of points depending on application and have 6 depth settings in 25mm increments.

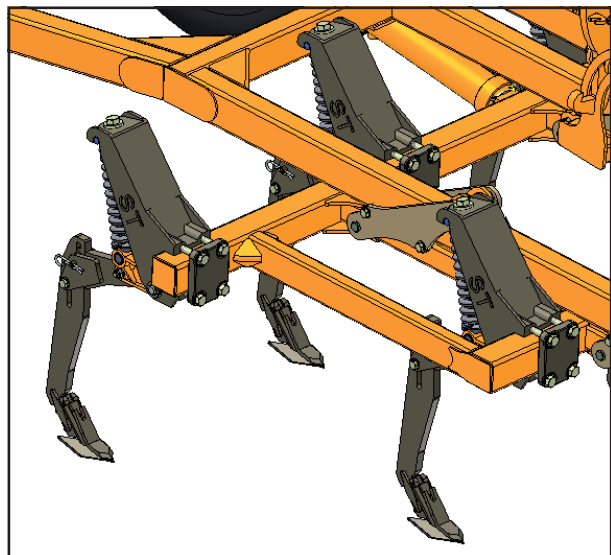


Fig. 4.04: Terra-Grip Tines

4.5 Double Disc Roller

The standard DD700 roller is made up of individual Double Disc (patented) Ring segments.

The DD rings are designed to consolidate the soil whilst cutting and crushing any clods.

Even in heavy, wet soils it can easily be operated with minimal blockages occurring.

The rear DD roller carries a proportion of the machine's weight to ensure consolidation. It also regulates the depth of the machine. The corrugated surface left by the roller is weatherproof both for wet or dry situations.

After hydraulically setting the rear roll depth the circuit should be isolated using the tap.

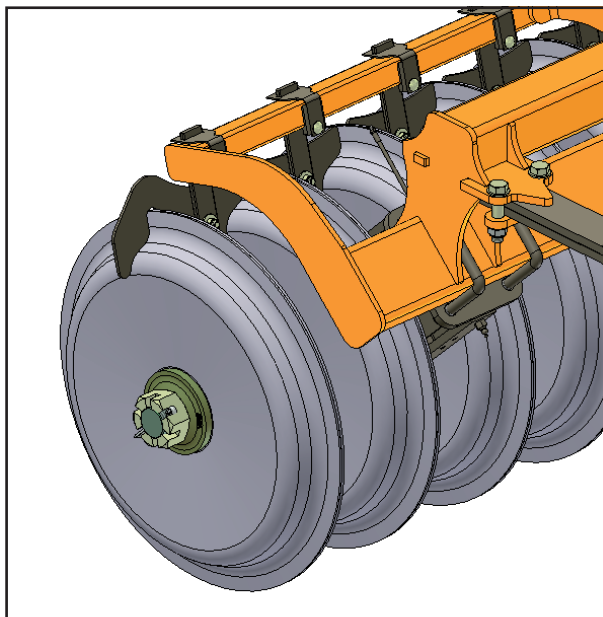


Fig. 4.05: DD700 Roll

4.6 TurboJet

The SL can be fitted with an optional TurboJet Oil Seed Rape applicator. The Turbo Jet is an air seeder unit which uses two fans to deliver seed behind the rear roll in work.

The TurboJet can be operated from the cab of the tractor using an advanced computer control module, the RDS Wizard System.

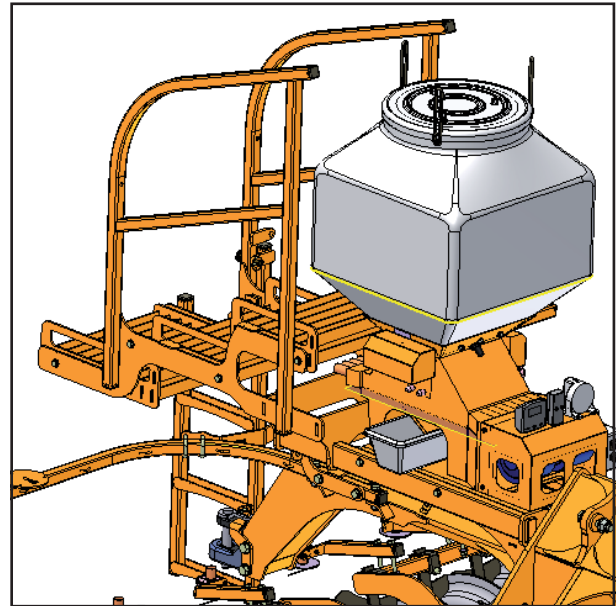


Fig. 4.06: TurboJet

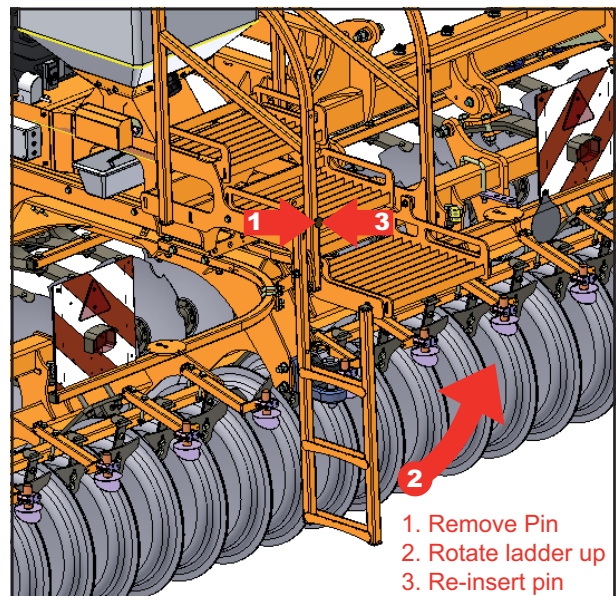


Fig. 4.07: TurboJet Access Steps

4.7 Work Settings

In work the wing cylinders should be fully extended. A simple pressurised hydraulic circuit automatically sets itself as the wings are unfolded.

Optimum performance has been found to be achieved when the press roll rings have worn away the painted finish leaving a smooth shiny surface. When the press roll rings are new or rusty, soil may tend to pick up on the surface and blockage may occur, this will reduce when the rings are shiny again.

The SL700 should be run with the chassis level. In normal operation the machine should be carried between the rear roll and front depth wheels with the lift circuit in float. In practice it is possible to use the SL700 on ground conditions that are unsuitable to achieve the desired effect, and it is usually possible to operate without regular blockage under such unsuitable conditions, assuming that the axles are tight and rings smooth. As such, especially under wet conditions, it is advisable to check on the cultivation effect of the SL700.

Generally a forward speed of 5-7 mph (8-11 kph) will achieve optimum results, maximising inversion and burial. Speeds in excess of those stated above will tend to give a deterioration in the quality of the work. This may be seen as a ridge and trough effect across the work surface due to soil being thrown too far by the leading discs, the rear discs then are unable to turn enough soil back.

It may occasionally be useful to almost fill the drawbar cylinder with shims to allow the drawbar to momentarily take the weight if the front wheels pass over any low/soft areas in the soil profile while maintaining forward speed and traction. If using the

machine without the front depth wheels (in changeable conditions, for instance) it should be hydraulically drawn onto the drawbar shims.

4.8 Starting Settings

This section details the recommended starting settings for the SL700. These settings can then be used as a base for further adjustment in order to get the optimum performance from your machine.

Ensure all settings from the left and right hand sides of the machine match each other.

Transport Cylinders (in road transport)



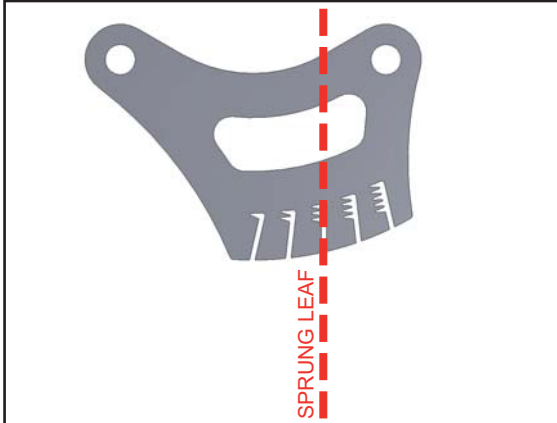
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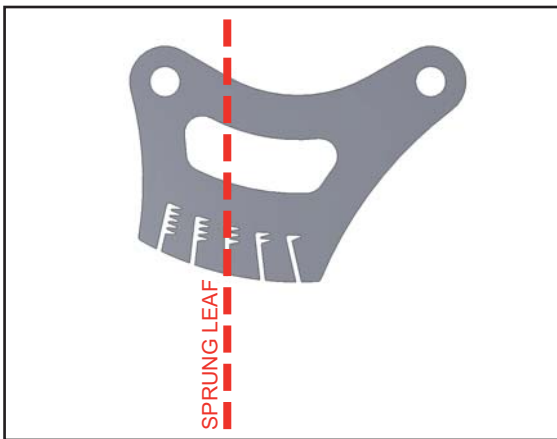
In normal operation a 51mm shim should be left in place at all times except in situations where an extremely low transport height is required (ie when transporting on a lorry). On machines fitted with a following harrow no shims are needed here.

Disc Angles

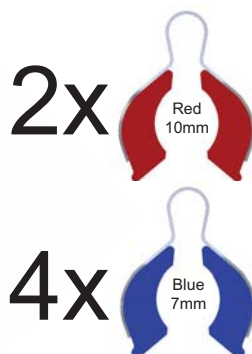
Front Gangs



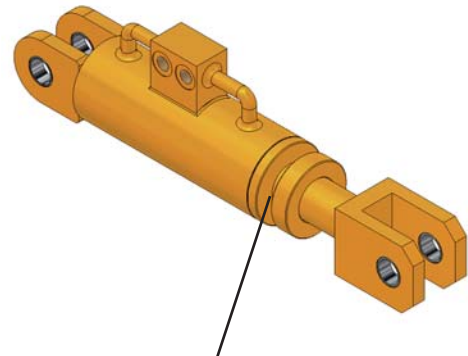
Rear Gangs



Depth Wheels

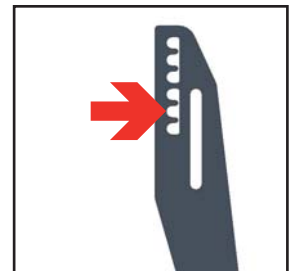


Roll Depth



Tines

As a starting setting, the tine frame should be powered down completely in work.



4.9 Depth Control

Working depth can be set by rear roll and front depth wheels. Under normal conditions the weight of the machine will be carried on the roll and the front depth wheels, with the main lift wheels either fully up or floating. If the wheels are powered up, then placed in float the axle will hold up until powered down. Depth is set using the depth control cylinders situated on the roll unit with shims added and removed as appropriate, and with the adjusters on the front wheels, which are adjusted using the square spanner provided. The front to rear pitch of the machine should be adjusted as appropriate to compensate for changes in working depth by adjusting the height of the depth wheels.

Using the Rear Roll

Use roll depth adjuster/hydraulic cylinder to set machine working depth. The front depth wheels should be adjusted to suit the depth of the rear roll ensuring that the chassis runs level front to rear.

4.10 Using Shims

Before using shims to alter machine settings ensure the machine is stationary and the tractor is turned off with the keys out. Ensure that all operators are clear of the machine and that no load is being held on any existing shims in the cylinder / depth control rod.

To fit the shims hold them by the handle and, using a firm action, clip them onto the rod as shown in *Fig. 4.08*. They are removed by using a finger to pull firmly on the handle.



Check the cylinder / depth control rod for damage and debris before fitting shims.



Only attempt to add or remove shims using the handle. Trying to manipulate shims using the jaws could result in injury.



When changing machine settings ensure both sides of the machine mirror each other. The left hand cylinder should contain the same amount of shims as the right, for example. Failure to do this could result in damage to the machine.

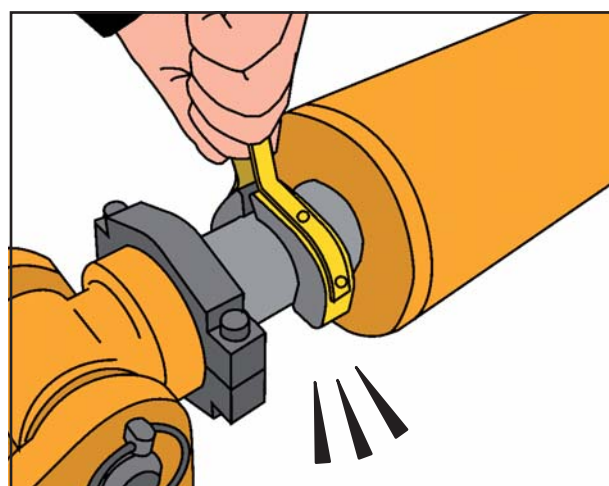


Fig. 4.08: Shims

4.11 Work Instructions

Driving speed

The SL700 can be driven at speeds of up to 12 km/h.

This depends on the field conditions (type of soil, surface trash, etc.).

Drive more slowly if the conditions are difficult or a firmer finish is required.

Turning:



Before turning, the machine should be eased out of work while driving. Likewise, it should be eased back into work once the turn has been completed.

It is recommended that the machine should be turned to the left at headlands to reduce the risk of any damage caused by turning with the working elements still engaged.

4.12 Parking the machine

In order to avoid damage as a result of moisture, the machine should be parked, if possible, indoors or under cover.



When manoeuvring the machine, pay attention to your surroundings. Ensure that nobody is in the manoeuvring area.

- Fit wheel chocks.
- Lower the parking stand.
- Raise the machine and remove shims from the lift axle and drawbar cylinders.
- Lower the machine to the ground, ensuring that it is stable.



When parking with the machine unfolded, ensure that no load is carried by the Terra-Grip tines. This can lead to breakage of the points.

- Remove the drawbar pin and drive forward slowly until hitch is clear of tractor drawbar.
- Lower the drawbar to the ground.
- Switch off the tractor and disconnect hydraulic lines.

4.13 Checks

The working quality depends on the adjustments and checks made prior to and during work, as well as on regular servicing and maintenance of the machine.

Before beginning work it is therefore important to carry out any necessary servicing and to lubricate the machine as required.

Checks prior to, and during work:

- Is the machine correctly hitched up and the coupling device locked?
- Have the hydraulic lines been connected according to the colour coding?
- Is the machine in a level operating position and the working depth set correctly?

Working Elements

- Are the discs and other cultivation tools in a serviceable condition?
- Are the scrapers still operable, so that the rolls do not jam?

5. Servicing and Maintenance



Follow the safety instructions for servicing and maintenance.

5.1 Servicing

Your machine has been designed and constructed for maximum performance, operational efficiency and operator friendliness under a wide variety of operating conditions.

Prior to delivery, your machine has been checked at the factory and by your authorised dealer to ensure that you receive a machine in optimum condition.



To ensure trouble-free operation, it is important that servicing and maintenance work is performed at the recommended intervals.

5.2 Cleaning

In order to ensure that the machine is always in operating condition and to achieve optimum performance, perform the cleaning and servicing work at regular intervals.

Avoid cleaning the roll / disc bearings with a high- pressure hose or a direct water jet. The housing, screwed connections and ball bearings are not watertight.

5.3 Disc Hub Maintenance



Grease every disc hub until grease shows from the seals according to the lubricating intervals outlined on page 32.



Check disc hubs regularly for tightness.



Regularly examine hub caps, seals and pivot bolts and all tracking bolts for tightness and effectiveness twice weekly or every 50 working hours (whichever is more frequent).

5.3.1 Tightening Disc Hubs

- 1 Ensure that the bearing seal is in the correct orientation when replacing / assembling components.
- 2 Ensure that the stub axle is free from dirt and the nut and outer bearing can easily slide on it.
- 3 Tighten the crown nut with a hand spanner (a torque wrench is not required) while turning the hub clockwise until the bearing drags slightly (you feel the hub turning heavily). Some resistance will be due to friction from the seal.
- 4 Turn back the crown nut to the next locking position. Even if the tightening of the nut has reached an exact fixing position, turn it back.
- 5 Insert the retaining pin.
- 6 Try to shake/rock the outer edge of the hub/spindle: play of 0.1 / 0.2mm will not reduce the bearings' life and, in addition, prevents overheating. If the adjustment is correct the hub should turn freely with the only friction being from the seal.



Fig. 5.01: Checking Disc Bearing Adjustment

5.3.2 Bearing Seals

It is important when replacing the labyrinth type bearing seals in disc hubs that the seal is fitted the right way round. The chamfered lip side should be at the outside of the bearing housing, nearest the disc arm (see *Fig. 5.02*). This chamfered lip prevents dirt ingress into the housing and also allows grease to be flushed through when greasing.

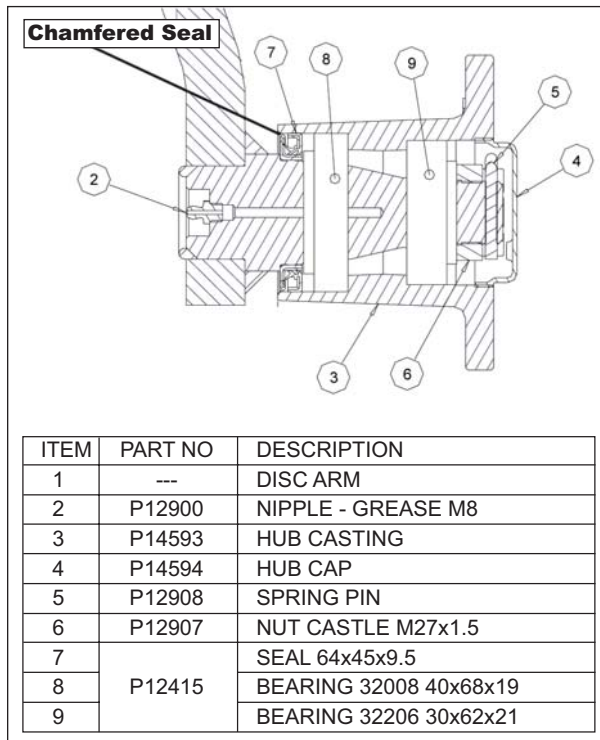


Fig. 5.02: Correct Seal Orientation

5.4 Terra-Grip Tines



When working under the machine ensure that the tractor handbrake is on, the ignition is off and the keys removed.



When performing maintenance work on tines extreme care should be taken. Wear goggles and gloves at all times when maintaining tines.



Safely support unfolded machine in raised position using taps and stands before attempting maintenance work on tines.



Do not attempt to assist fitting tine points with a steel headed hammer, this can lead to splintering of the metal due to its hardness, which can cause injury. If tine fitting requires assistance, a copper/hide or plastic mallet should be used.

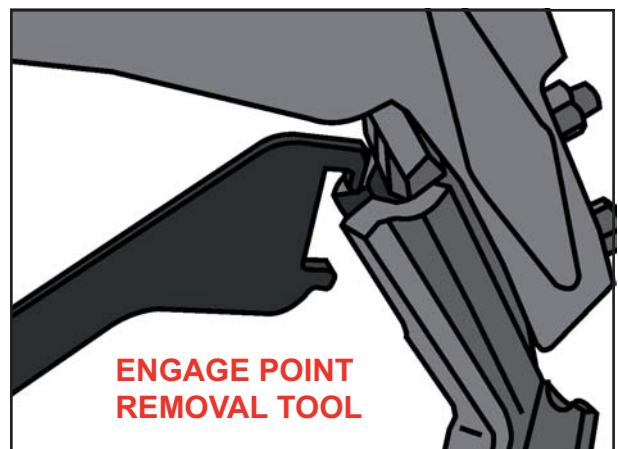


Fig. 5.03: Knock-on Tine Point Removal Tool

5.5 DD Light Roll

The spacers and rings on the DD Light Roll are held under tension by the end plates at the outer ends of the roll tube.



Specialist equipment is required for the disassembly of DD Light rollers. Please consult your dealer under any circumstances that require disassembly of these axles.

Maintenance of these rollers is limited to yearly/end of season greasing of the bearings and regular inspection to ensure the assemblies are tight, and scrapers are correctly set.



The scraper is intended to clear dirt from blocking between adjacent DD rings. If adjustment to the scrapers is required ensure that the scraper cannot contact the spacer even under load. Regularly inspect the spacers for signs of wear and adjust any scrapers to ensure no contact can be made.

5.6 Brakes & Wheel Hubs

The brakes should be tested before using for the first time and after the first laden journey.



Check that the road and parking brakes operate and release correctly before using the machine.



Check for hydraulic fluid and air leaks.



Brake and hub maintenance and servicing should be carried out by an authorised Simba dealer.

5.7 Hydraulics



A low oil flow should be used, i.e., tractor tickover or low flow selected.



The wing circuit is controlled by an overcentre valve contained within the manifold block which positively locks oil flow until pressurised by the tractor. System pressure can be retained in the circuit **even after depressurisation** of the tractor quick release couplings.



Exercise extreme care when checking the valve or circuits, and *under no circumstances* attempt to adjust or loosen fittings without prior reference to your authorised Simba dealer, and detailed maintenance instructions.



The hydraulic circuit contains specialised fittings which should not be tampered with under any circumstances. Do not attempt to modify hose routings or hose clamping arrangements, doing so may cause serious damage to the machine and/or injury.

5.8 Preparation for Storage

If you need to store the machine for a longer period, observe the following points:

- Park the machine undercover if possible.
- Protect the roll / discs against rust. If you need to spray the implements with oil, use light biologically degradable oils, e.g. rape oil.



Cover any rubber sections before using oil sprays. These sections must not be oiled. Remove any traces of oil with a suitable cleaning agent.

5.9 Operator Support

If you have a problem, please contact your dealer. They will endeavour to solve any problems which may occur and provide you with support at all times.

In order to enable your dealer to deal with problems as quickly as possible, it helps if you can provide them with the following data. Always state the:

- Customer Number
- Name and Address
- Machine Model and Serial Number
- Date of Purchase and Operating Hours
- Type of Problem

5.10 Maintenance Intervals

Apart from daily maintenance, the maintenance intervals are based on the number of operating hours and time data.

Keep a record of your operating hours to ensure that the specified maintenance intervals are adhered to as closely as possible.

Never use a machine that is due for maintenance. Ensure that all deficiencies found during regular checks are remedied immediately.



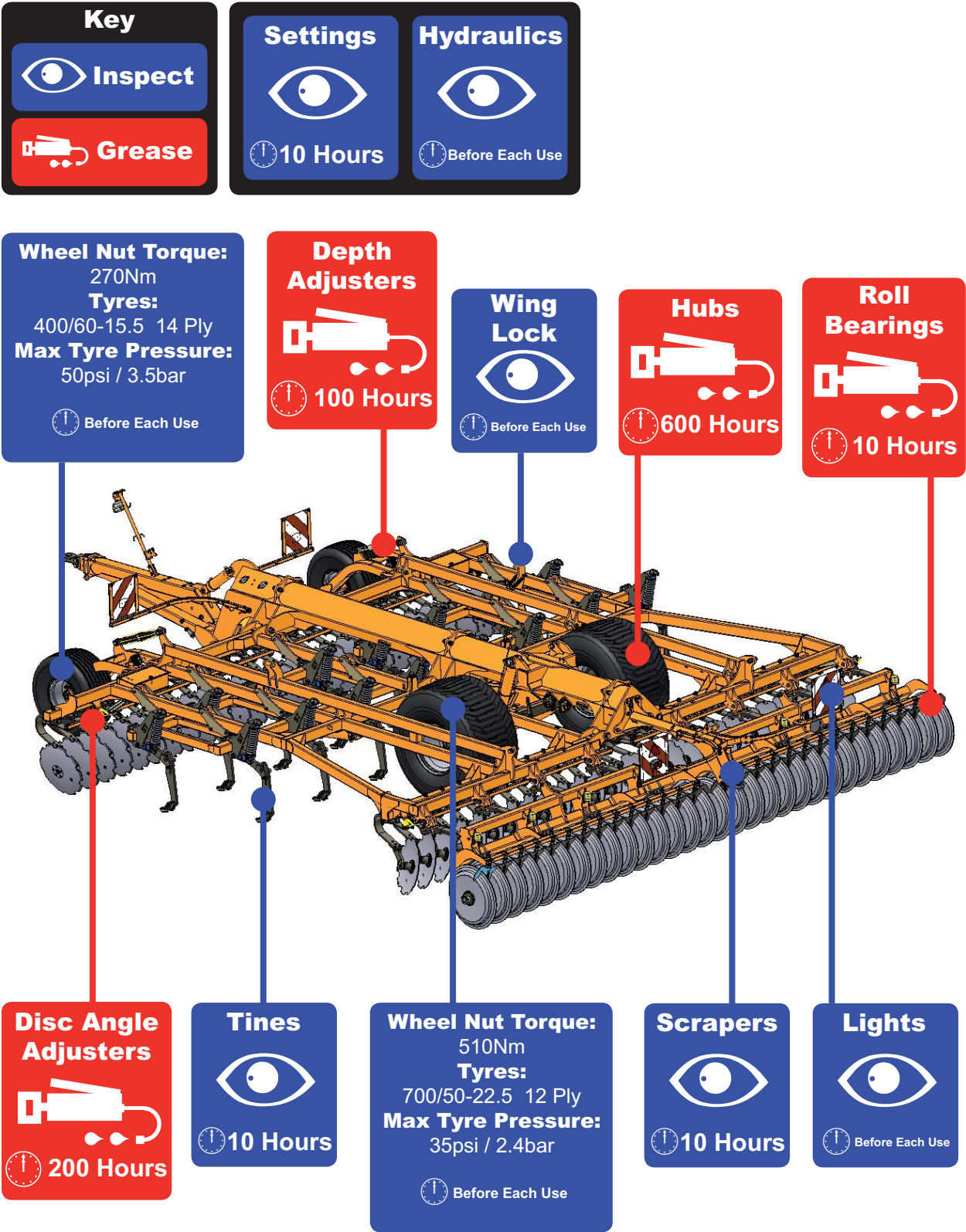
Avoid sharp-edged and pointed parts (disc blades, etc.) when working on the machine.

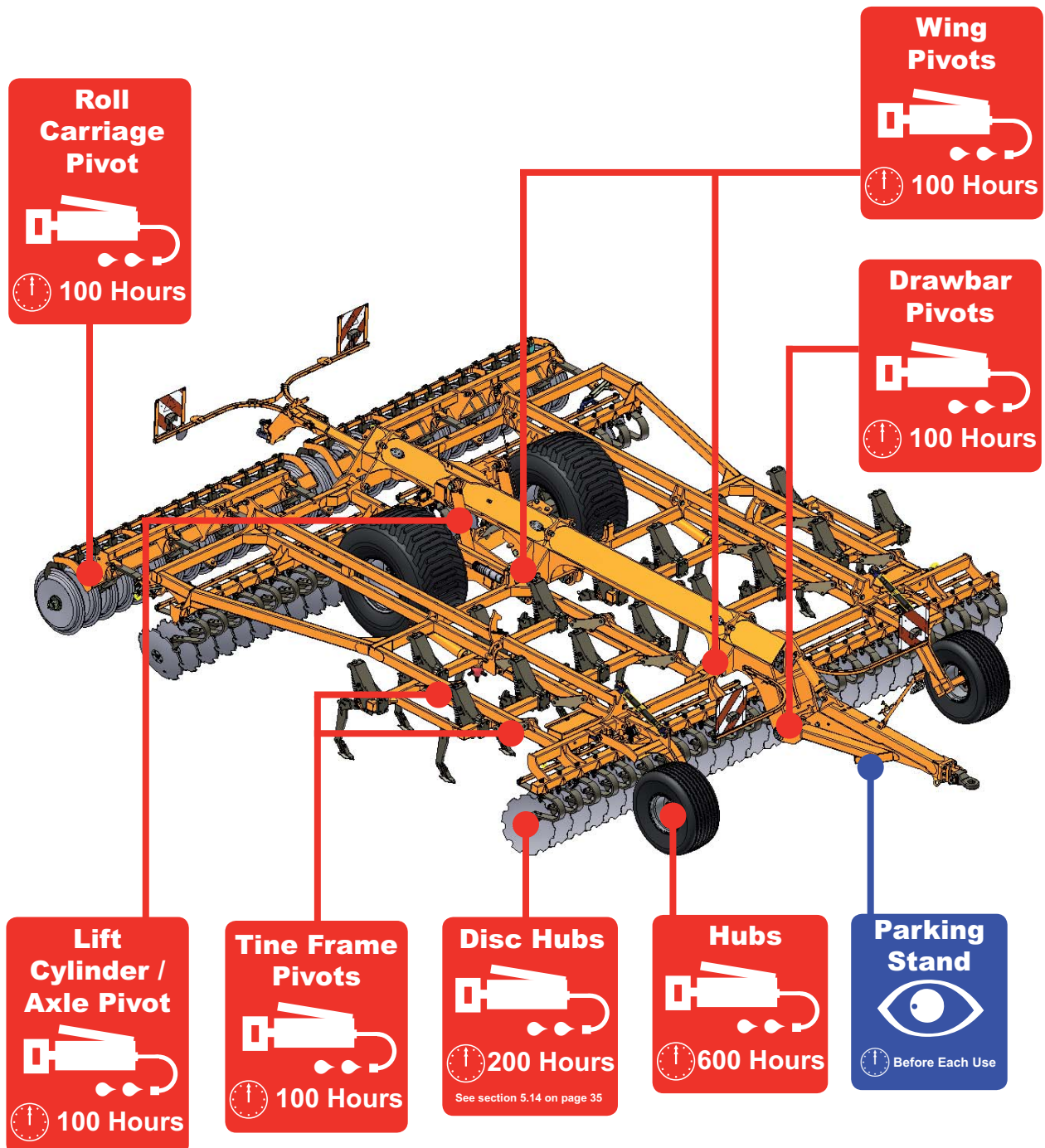


Place the machine on suitable supports when working underneath! Do not work under a machine which is not supported!

On a new machine tighten all nuts and bolts after 5 hours work and again after 15 hours. This also applies to parts that have been moved or replaced. After the initial 15 hours of work a once a week check should be sufficient depending on daily work rates.

5.11 Maintenance Overview





5.12 Lubricating the Machine

Please read the section below carefully before lubricating the machine.

The machine must be lubricated regularly in order for it to remain serviceable. Regular lubrication also contributes towards extending the service life of your machine.

The recommended lubricating intervals are specified in “Maintenance Overview”.

After it has been washed using a high-pressure hose or steam cleaned, the machine should always be lubricated using a grease gun.

5.13 Handling of Lubricants

Please ensure that you read the following instructions as well as the relevant information. This also applies to any of your employees who handle lubricants.

Hygiene

Lubricants do not present a health hazard provided they are used for their specified purpose.

In the case of prolonged skin contact, lubricants, especially low-viscosity oils, may remove the natural layer of fat contained in the skin, resulting in dryness and possible irritation.

It is important to take extreme care when handling waste oil as it may contain other irritants.

Vapours given off by cleaning agents and oils are also a potential health hazard. You should therefore not carry any oily cloths around. Change soiled work clothing as soon as possible.

Always exercise extreme care and observe the recommended hygiene rules when handling mineral oil products. Details of these handling regulations can be found in information provided by the health authorities.

Storage and Handling

- Always store lubricants where they cannot be accessed by children.
- Never store lubricants in open or unlabelled containers.

Fresh Oil

- Apart from taking the usual care and observing hygiene rules, there is no need to take any special precautions when handling fresh oil.

Waste Oil

- Waste oil can contain harmful contaminants which may cause skin cancer, allergies and other illnesses.

Attention!

Oil is a toxic substance. Should you swallow any oil, do not try to vomit. Contact a doctor immediately.

Protect your hands with barrier cream or wear gloves to avoid contact with the skin. Wash off any traces of oil thoroughly with soap and hot water.

- Wash your skin thoroughly with soap and water.
- Use special cleaning agents to clean any dirt off your hands.
- Never wash oil residue from your skin with petrol, diesel fuel or paraffin.
- Avoid skin contact with any oily clothing.
- Do not keep any oily rags in your pockets.
- Wash soiled clothing before wearing it again.
- Ensure that any oily footwear is disposed of in the proper manner.

Measures in case of injury through oil

Eyes:

Should any oil be splashed into your eyes, rinse with water for 15 minutes. If the eye is still irritated, contact a doctor immediately.

If oil is swallowed

If oil is swallowed, it is important not to induce vomiting. Contact a doctor immediately.

Skin irritation caused by oil

In case of prolonged skin contact, wash off the oil with soap and water.

Oil Spills

Use either sand or a suitable granular absorbent to soak up any spilt oil. Dispose of the oil-contaminated absorbent in the proper manner.

Oil Fires

Never use water to extinguish an oil fire. The oil will float on the water causing the fire to spread.

Burning oil-lubricant must be extinguished using a carbon dioxide powder or foam extinguisher. Always wear respiratory equipment when dealing with fires of this type.

Waste Oil Disposal

Oil-contaminated waste and used oil must be disposed of in accordance with current legislation.

Waste oil must be collected and disposed of in accordance with local regulations. Never pour used oil into unsealed sewage systems or drains or onto the ground.

5.14 Lubricants & Hydraulic Oil

Hydraulic System

The hydraulic fluid from the tractor is mixed with the hydraulic fluid from the machine.

The supplied machine hydraulic system contains Total AZOLLA ZS 32 oil.

Lubricants

Simba strongly recommend the use of **Multis Complex EP2 Grease** in the disc and wheel hubs of your SL. This grease is a Complex soap dispersed in a mineral oil and is interpreted by IARC as being non-carcinogenic. Grease cartridges are available from Simba (P12710). Using this grease in combination with the labyrinth type seal it is permissible to lengthen the greasing interval on the disc hubs to 200 hours. If using a standard agricultural grease the disc hubs should be lubricated every 50 hours.

Advantages of Complex EP2 Grease

- Excellent mechanical stability.
- Excellent load carrying properties.
- Wide temperature range.
- Excellent oxidation stability.
- Excellent water resistance.
- Compatibility with other greases.

All other lubricating points on the machine can be lubricated with multigrade lubricating grease as specified in DIN 51825 KP/2K - 40.

6. Faults and Remedies

Troubleshooting		
Fault	Possible Cause	Remedy
Machine 'bouncing' in work.	Disc angle too great.	Reduce disc angle.
	Speed too fast.	Reduce speed (<12kmh).
Machine pulls to one side.	Discs set unevenly.	Adjust each pair of disc gangs.
	Tines set unevenly.	Adjust tine depth.
	Roll Blocked.	Unblock roll.
Machine not running level front to rear (if not deliberate).	Machine set incorrectly.	Adjust drawbar height to compensate or, if nose diving, decrease roll pressure.
Transport wheels fail to lift machine.	Tractor relief valve operating tractor hydraulics worn.	Decrease flow rate.
Discs fail to penetrate.	More depth needed.	Adjust depth control.
	Gang angle too little.	Check gang settings and increase gang angle if appropriate.
	Blades worn.	Replace blades.
Machine pulling up clods.	Chassis running nose down.	Add shims to drawbar cylinder.
Rear disc dragging up wet soil.	Chassis running tail low.	Remove shims from drawbar cylinder.

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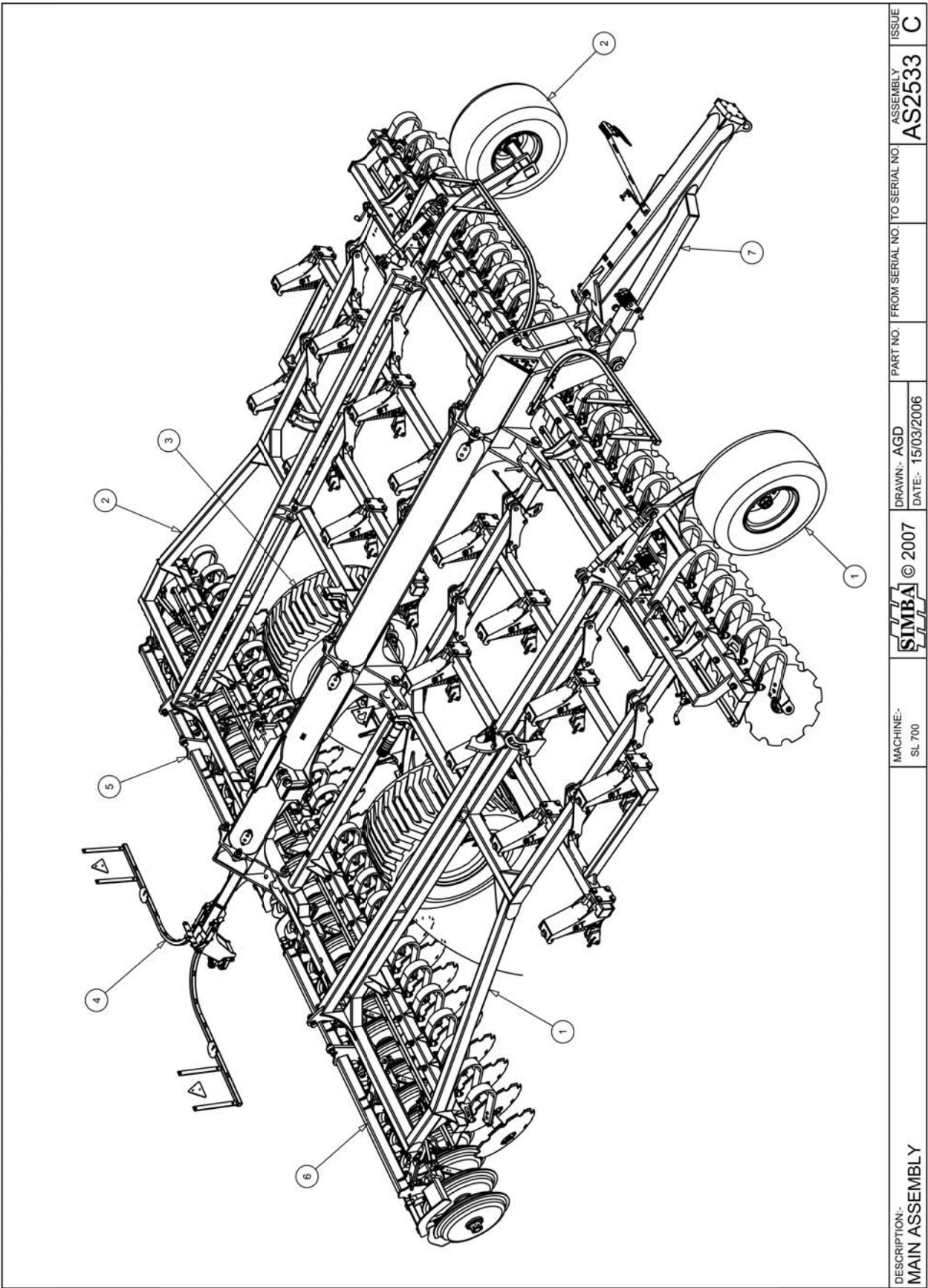
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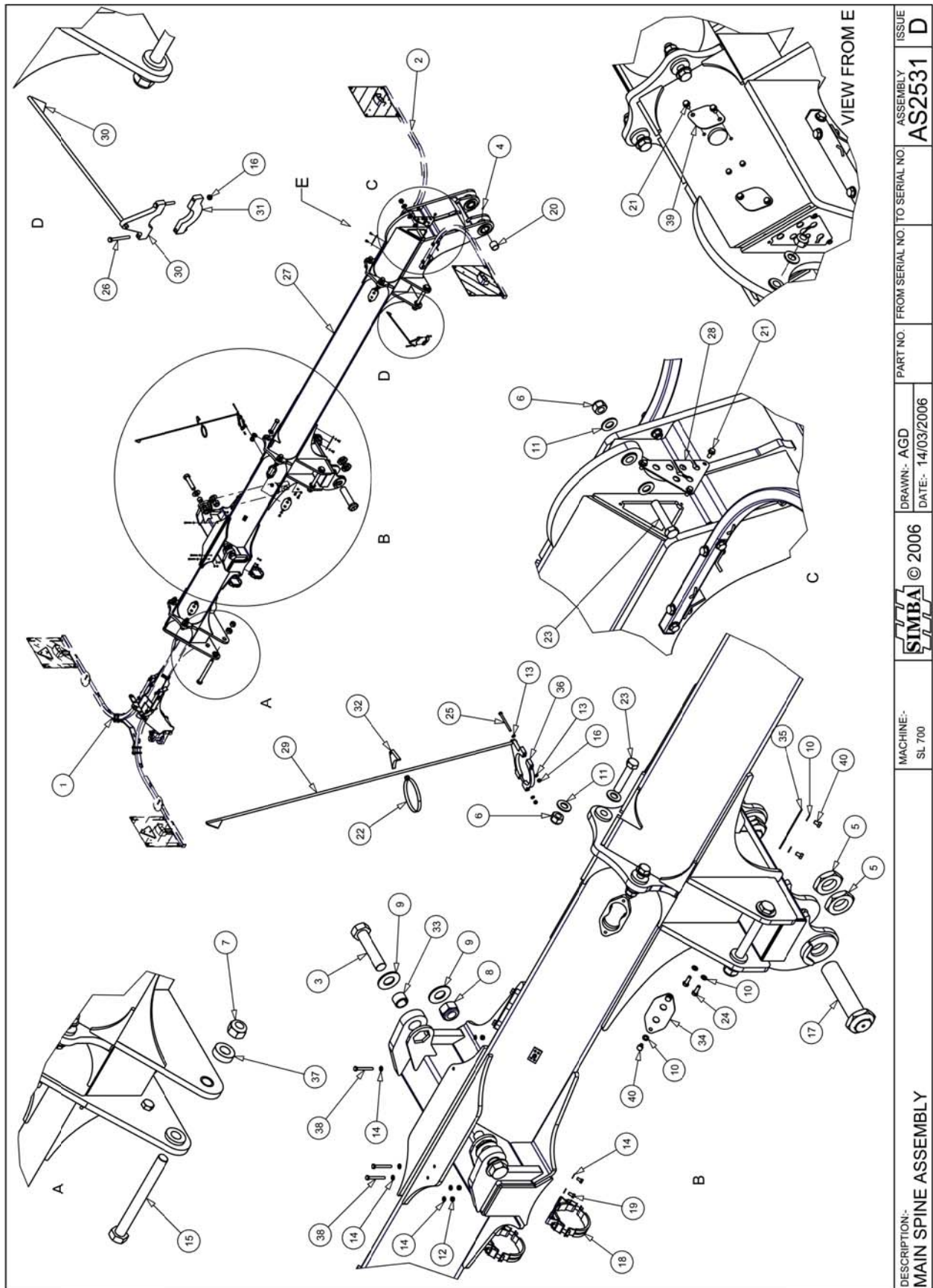
OSR Outlet Mounting RH 172

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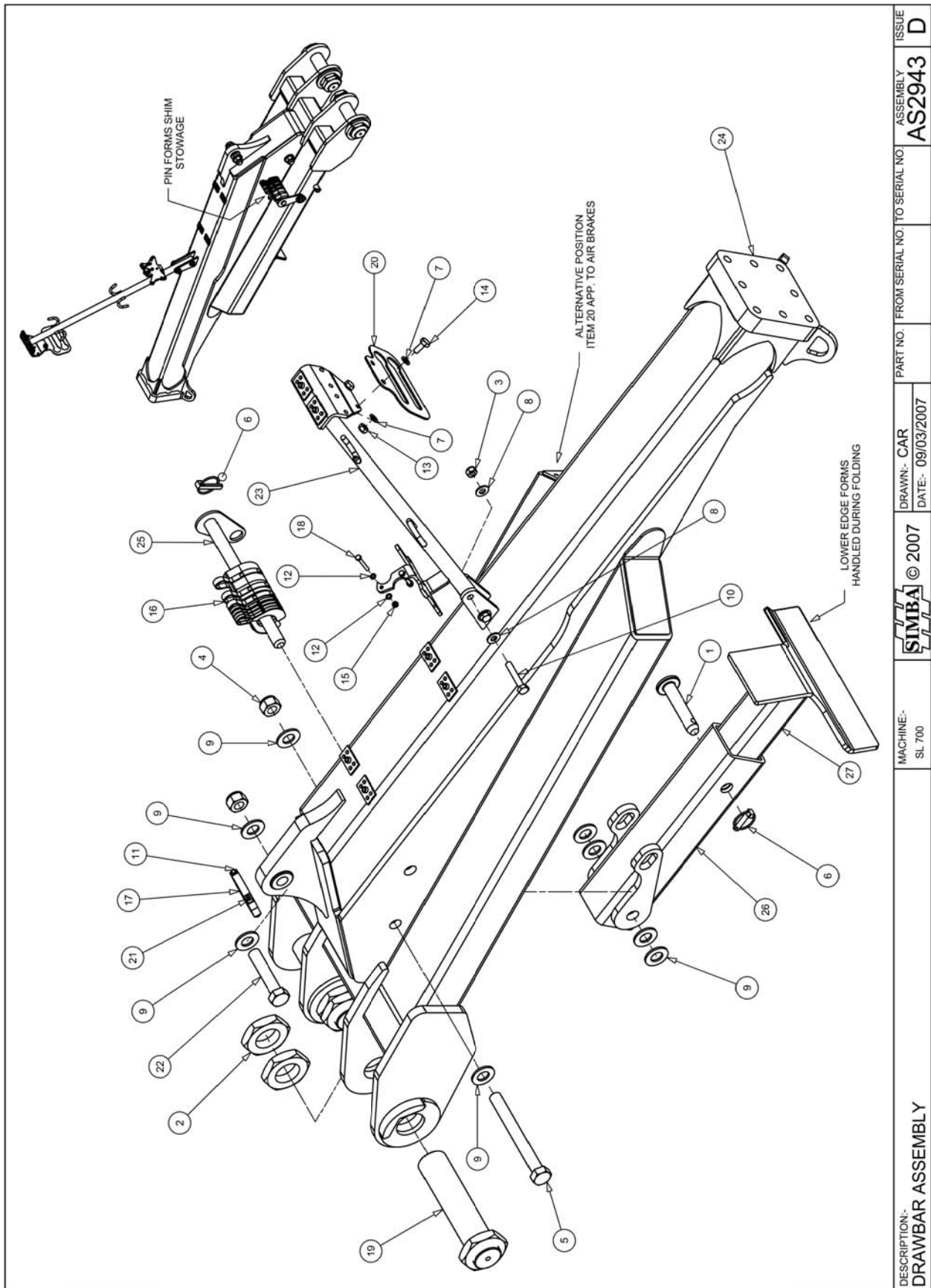


DESCRIPTION:- MAIN ASSEMBLY		MACHINE:- SL 700		SIMBA © 2007		DRAWN:- AGD DATE:- 15/03/2006		PART NO.		FROM SERIAL NO. TO SERIAL NO.		ASSEMBLY AS2533		ISSUE C	
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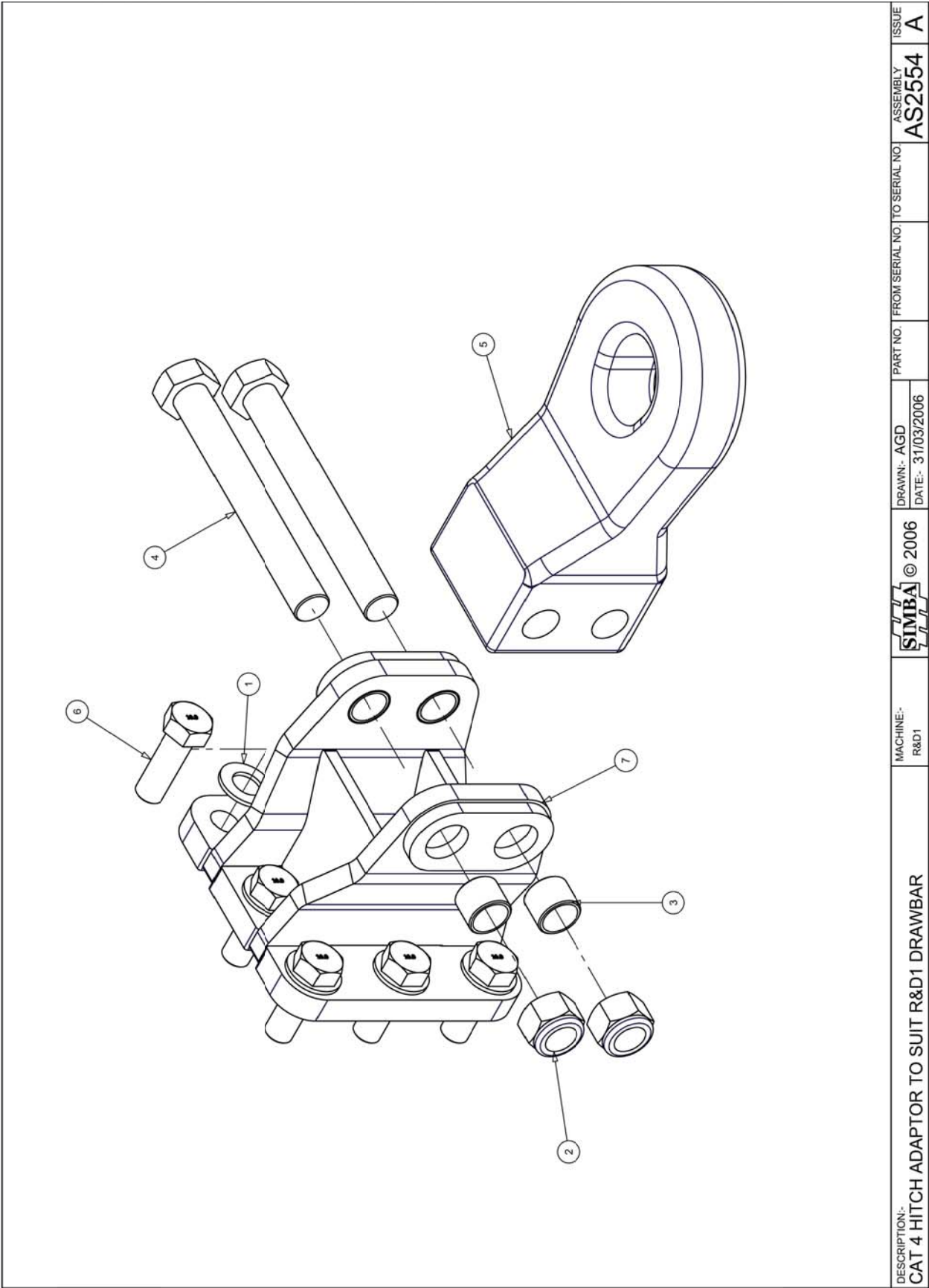
AS2533		MAIN ASSEMBLY SL 700		
ITEM	PART NO	DESCRIPTION	QTY	COMMENTS
1	AS2470	RH WING ASSEMBLY	1	
2	AS2471	LH WING ASSEMBLY	1	
3	AS2517	AXLE CARRIAGE ASSEMBLY	1	
4	AS2531	MAIN SPINE ASSEMBLY	1	
5	AS2887	ROLL AND FRAME LH	1	
6	AS2889	ROLL AND FRAME RH - DD700	1	
7	AS2943	DRAWBAR ASSEMBLY	1	
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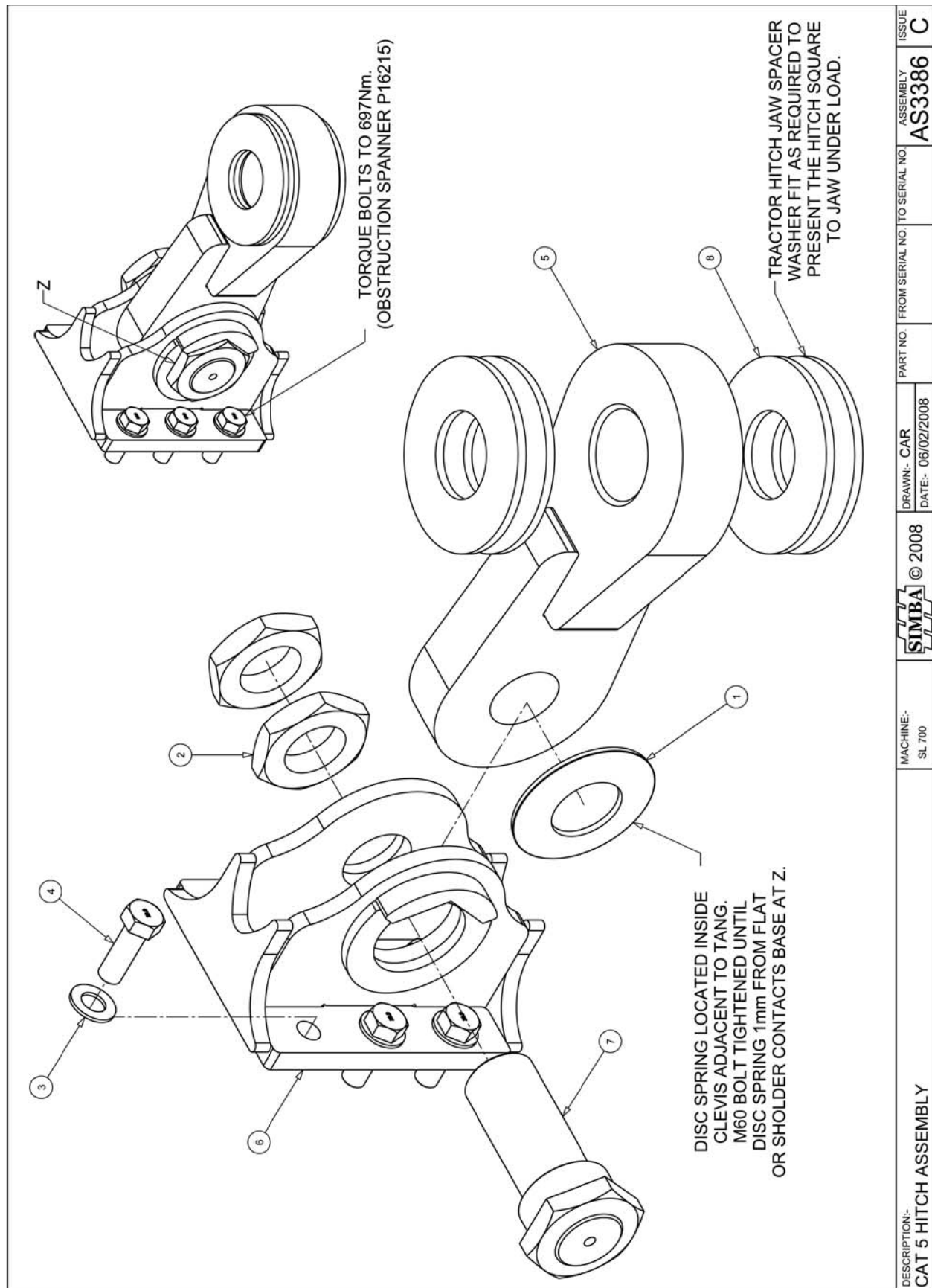
AS2531		MAIN SPINE		
ITEM	PART NO	DESCRIPTION	QTY	
1	AS2527	REAR DRAWBAR ASSEMBLY	1	
2	AS2528	FRONT LIGHT MOUNTING ASSEMBLY	1	
3	P00043	BOLT M36x160 GR. 8.8	2	
4	P00071	NIPPLE - GREASE	2	
5	P01697	NUT PLAIN M60 HALF	4	
6	P02010	NUT LOCK M24	7	
7	P02011	NUT LOCK M30	6	
8	P02012	NUT LOCK M36	2	
9	P02541	WASHER FLAT M36	4	
10	P02600	WASHER FLAT M10	16	
11	P02604	WASHER FLAT M24 Ø50	14	
12	P04754	NUT LOCK M8	5	
13	P05401	WASHER SPRING M6	4	
14	P05535	WASHER FLAT M8	18	
15	P06672	BOLT M30x300 GR. 10.9	6	
16	P07981	NUT LOCK M6	4	
17	P09040	BOLT M60x245	2	
18	P09108	ACCUMULATOR CLAMP	4	
19	P10342	BOLT M8x16 GR. 8.8	8	
20	P10882	BUSH Ø72xØ60x60 NYLON	4	
21	P12323	BOLT M10x20 GR8.8 WASHER HEAD	10	
22	P12378	JUBILEE CLIP 110-140	1	
23	P12610	BOLT M24x120 GR 10.9 STR	7	
24	P12690	BOLT M10x30 GR. 8.8	2	
25	P13672	BOLT M6x80 GR. 8.8	2	
26	P14474	BOLT M6x60 GR. 8.8	2	
27	P14500	CHASSIS	1	
28	P14575	B/HEAD PLATE	2	
29	P14598	WHEEL HEIGHT MARKER	1	
30	P14599	WING ANGLE MARKER	1	
31	P14602	ANGLE MARKER CLAMP	1	
32	P14603	MARKER GUIDE	1	
33	P14781	BUSH SPRUNG - Ø44xØ36x30	2	
34	P15352	SIDE B/HEAD PLATE	6	
35	P15353	SIDE B/HEAD PLATE	1	
36	P15919	CLAMP	1	
37	P15922	SPACER	6	
38	P16742	BOLT M8x70 GR. 8.8	5	
39	P16803	INSPECTION COVER	2	
40	P16841	SETSCREW M10x16 GR8.8	14	
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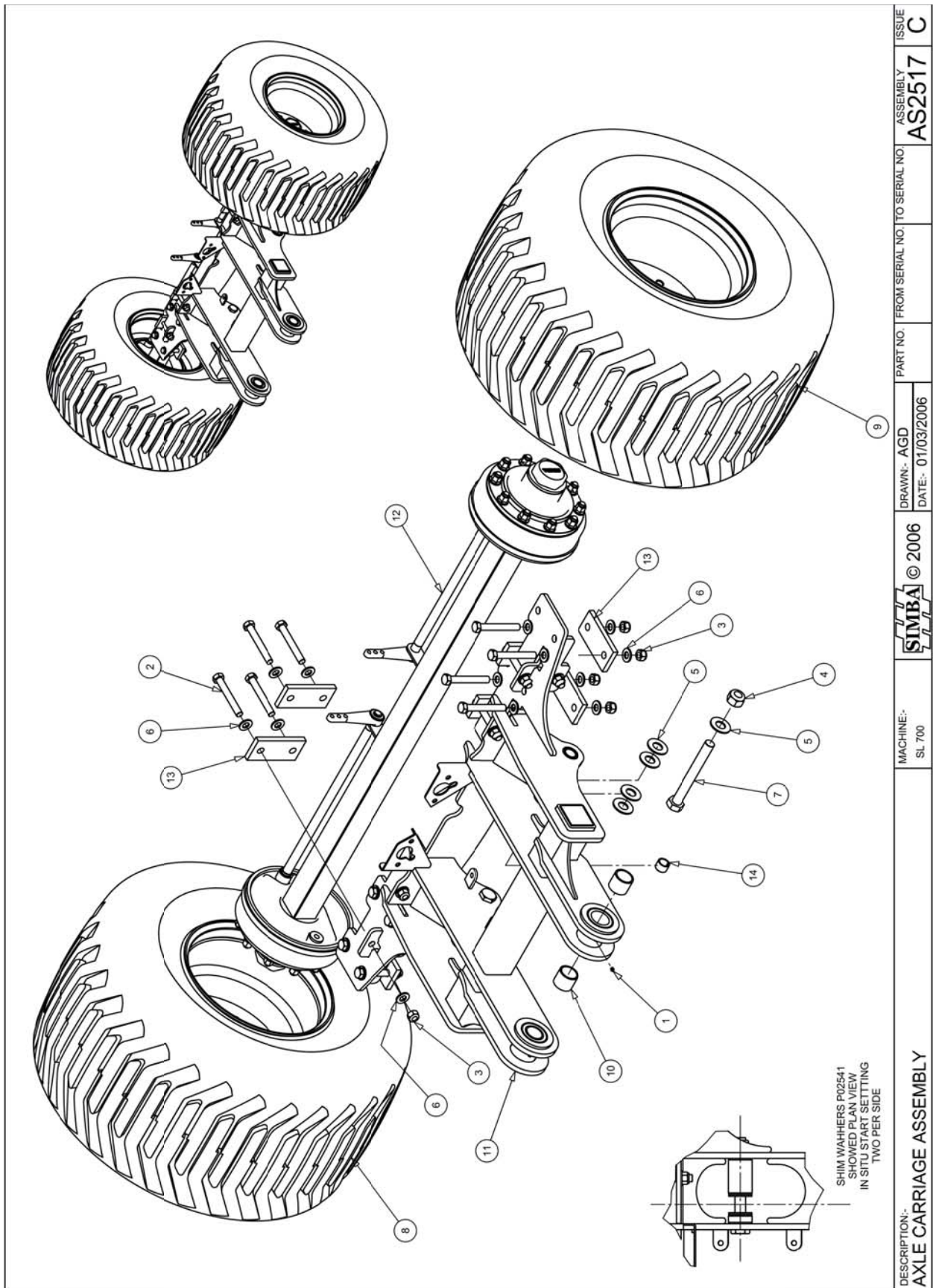
AS2943		DRAWBAR ASSEMBLY		
ITEM	PART NO	DESCRIPTION	QTY	COMMENTS
1	P01071	PIN Ø25x130	1	
2	P01697	NUT PLAIN M60 HALF	4	
3	P02007	NUT LOCK M12	2	
4	P02010	NUT LOCK M24	2	
5	P02267	BOLT M24x220 GR. 8.8	1	
6	P02484	LYNCH PIN CAT 2	2	
7	P02600	WASHER FLAT M10	4	
8	P02601	WASHER FLAT M12	4	
9	P02604	WASHER FLAT M24 Ø50	8	
10	P03090	BOLT M12x70 GR. 8.8	2	
11	P04754	NUT LOCK M8	2	
12	P05401	WASHER SPRING M6	4	
13	P05534	NUT LOCK M10	2	
14	P06651	BOLT M10x25 GR. 8.8	2	
15	P07981	NUT LOCK M6	2	
16	P08802	SHIM KIT 7 PIECE	1	
17	P08833	SHIM COLLAR Ø45	1	
18	P08892	BOLT M6x50 GR. 8.8	2	
19	P09040	BOLT M60x245	2	
20	P09092	HOSE STOWAGE PLATE	1	
21	P12358	CAPSCREW M8x60 GR10.9	2	
22	P12610	BOLT M24x120 GR 10.9 STR	1	
23	P14683	HOSE MAST	1	
24	P15312	DRAWBAR	1	
25	P15452	PIN - DB. STAND	1	
26	P15453	STAND OUTER	1	
27	P15454	STAND INNER	1	
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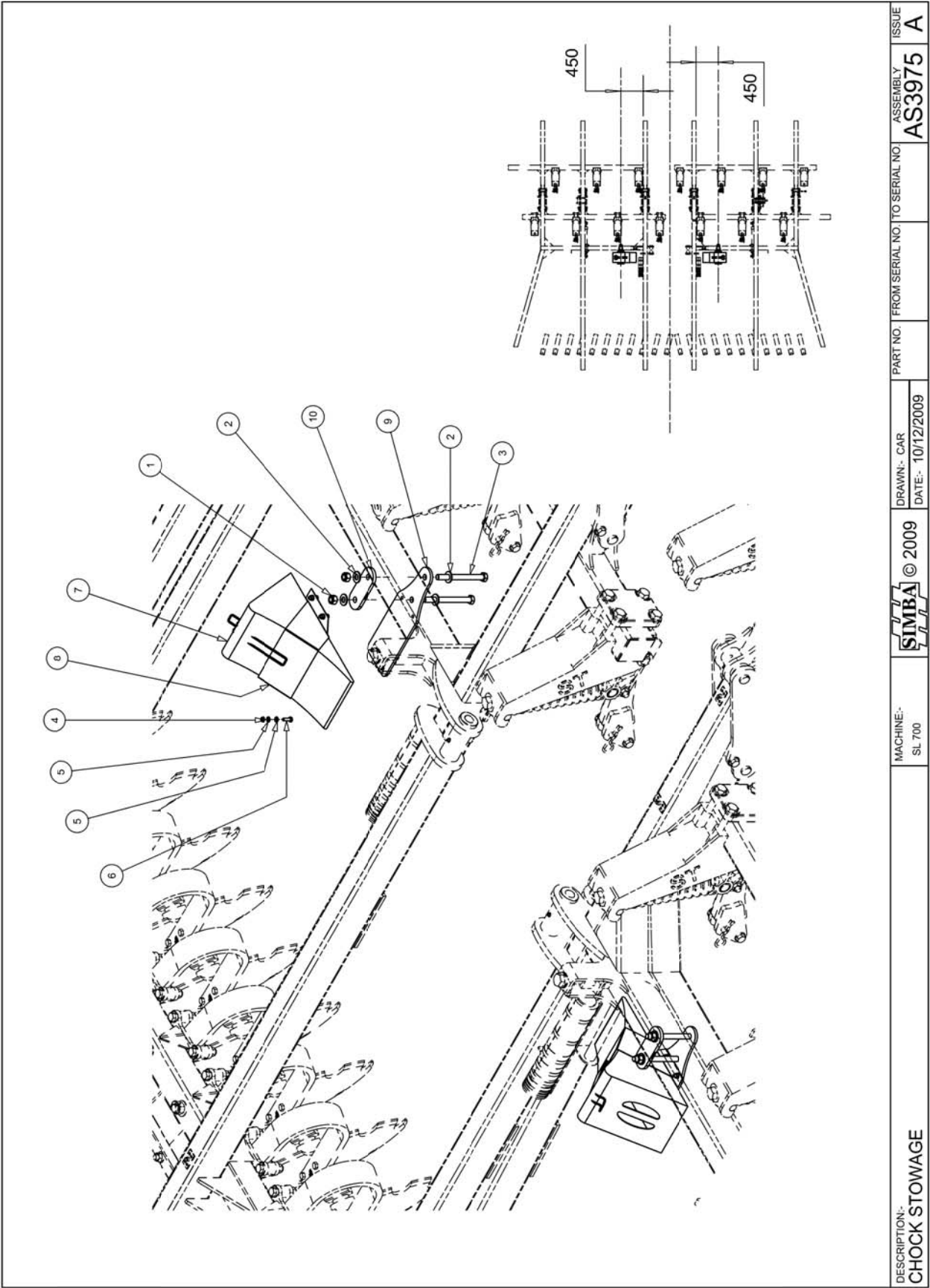
AS2554		CAT 4 HITCH ADAPTOR		
ITEM	PART NO	DESCRIPTION	QTY	COMMENTS
1	P02603	WASHER FLAT M20	8	
2	P05492	NUT LOCK 1" UNF	2	
3	P07916	BUSH SPRUNG - Ø32xØ26x25	4	
4	P09066	BOLT 1" UNFx8" GR. V	2	
5	P09067	PERFECT HITCH BASE CAT 4	1	
6	P14538	BOLT M20x60 GR. 10.9	8	
7	P14637	CAT 4 HITCH ADAPTOR	1	
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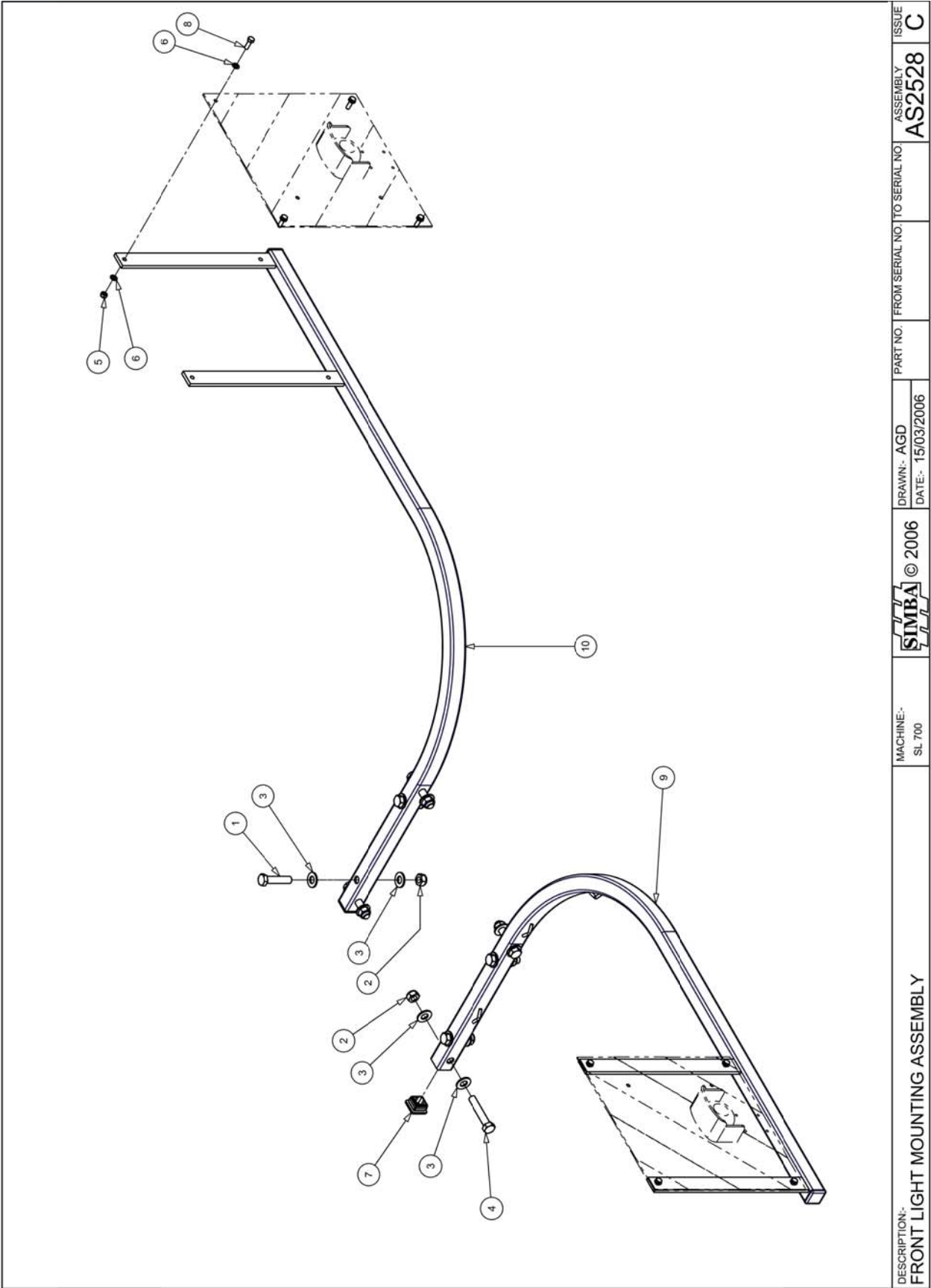
AS3386		CAT 5 HITCH ASSEMBLY		
ITEM	PART NO	DESCRIPTION	QTY	
1	P01514	BELLEVILLE WASHER Ø125xØ63	1	
2	P01697	NUT PLAIN M60 HALF	2	
3	P02603	WASHER FLAT M20	8	
4	P14538	BOLT M20x60 GR. 10.9	8	
5	P16303	CAT 5 HITCH TANG	1	
6	P16304	CAT 5 HITCH BASE	1	
7	P16305	CAT 5 HITCH BOLT	1	
8	P16853	CAT 5 HITCH SPACER	4	
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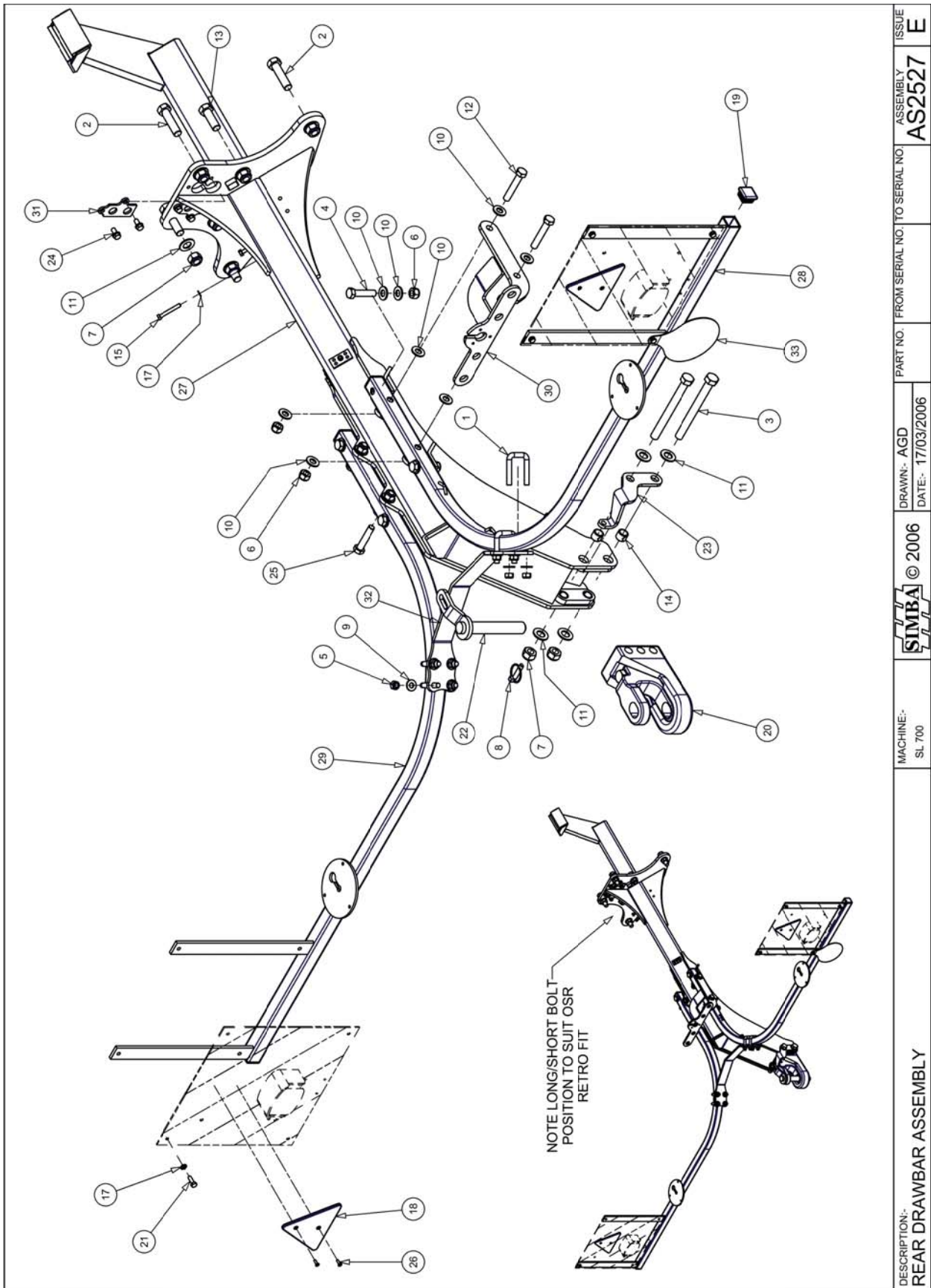
AS2517		AXLE CARRIAGE ASSEMBLY		
ITEM	PART NO	DESCRIPTION	QTY	COMMENTS
1	P00071	NIPPLE - GREASE	2	
2	P00789	BOLT M24x180 GR. 8.8	16	
3	P02010	NUT LOCK M24	16	
4	P02012	NUT LOCK M36	2	
5	P02541	WASHER FLAT M36	10	
6	P02604	WASHER FLAT M24 Ø50	32	
7	P03119	BOLT M36x300 GR 8.8	2	
8	P08883LH	WHEEL ASSEMBLY - 700x22 TYRE 10 STUD	1	
9	P08883RH	WHEEL ASSEMBLY - 700x22 TYRE 10 STUD	1	
10	P10882	BUSH Ø72xØ60x60 NYLON	4	
11	P14463	AXLE MOUNTING	1	
12	P14471	AXLE - 10 STUD BRAKED	1	
13	P14551	AXLE CLAMP PLATE	8	
14	P14781	BUSH SPRUNG - Ø44xØ36x30	4	
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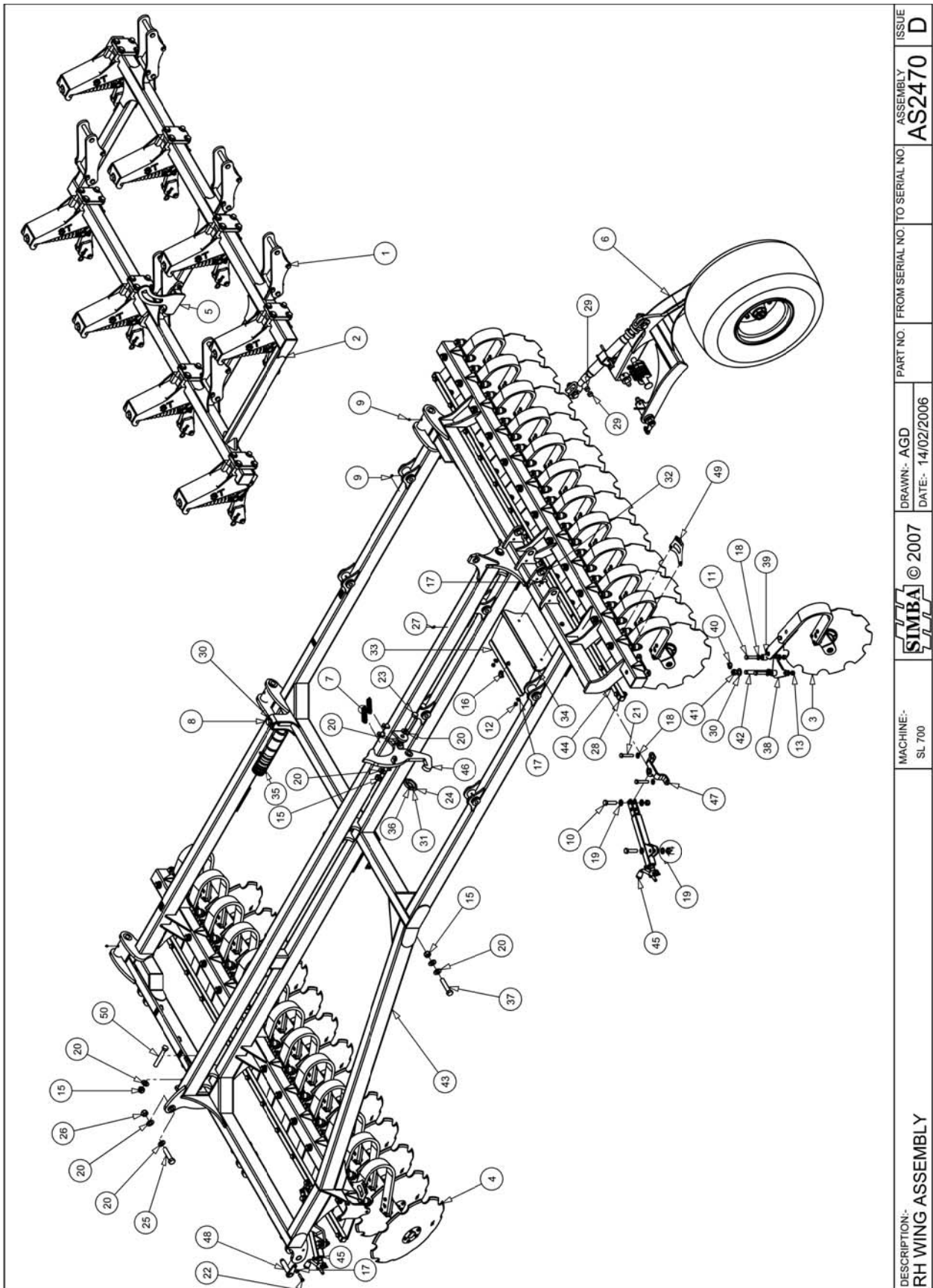
AS3975		CHOCK STOWAGE		
ITEM	PART NO	DESCRIPTION	QTY	
1	P02008	NUT LOCK M16 'TYPE T'	4	
2	P02602	WASHER FLAT M16	8	
3	P03951	BOLT M16x170 GR. 8.8	4	
4	P04754	NUT LOCK M8	8	
5	P05535	WASHER FLAT M8	16	
6	P09597	BOLT M8x25 GR. 8.8	8	
7	P17388	CHOCK TYPE UK53St	2	
8	P17389	CHOCK CARRIER UK53ST	2	
9	P17435	CHOCK BASE PLATE	2	
10	P17436	CLAMP PLATE - CHOCK	2	
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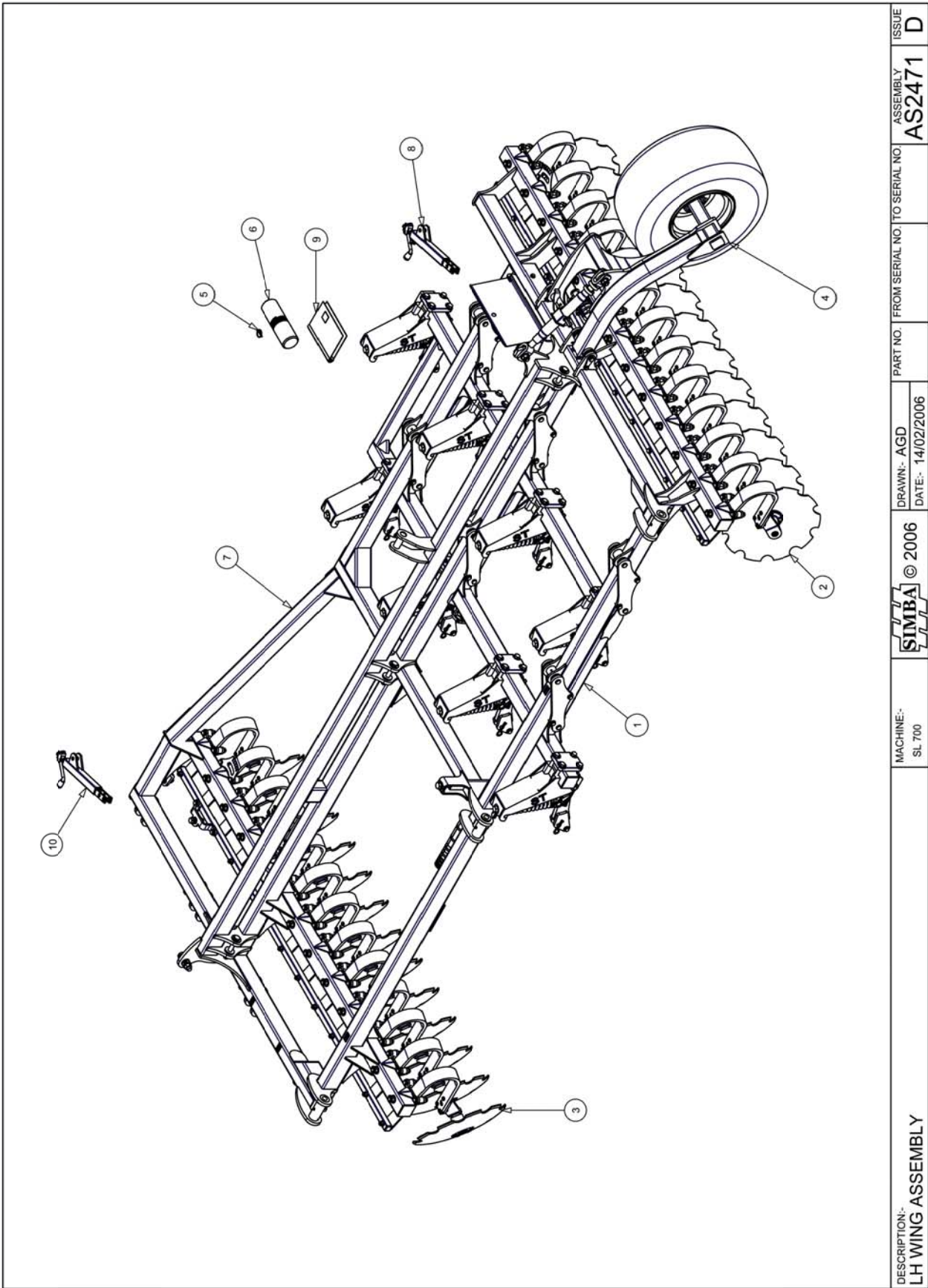
AS2528		FRONT LIGHT MOUNT ASSEMBLY		
ITEM	PART NO	DESCRIPTION	QTY	COMMENTS
1	P01102	BOLT M16x70 GR. 8.8	4	
2	P02008	NUT LOCK M16	8	
3	P02602	WASHER FLAT M16	16	
4	P02649	BOLT M16x90 GR. 8.8	4	
5	P04754	NUT LOCK M8	8	
6	P05535	WASHER FLAT M8	16	
7	P07543	PLASTIC END CAP 40x40	4	
8	P09597	BOLT M8x25 GR. 8.8	8	
9	P14523	FRONT LIGHT STEM RH	1	
10	P14524	FRONT LIGHT STEM LH	1	
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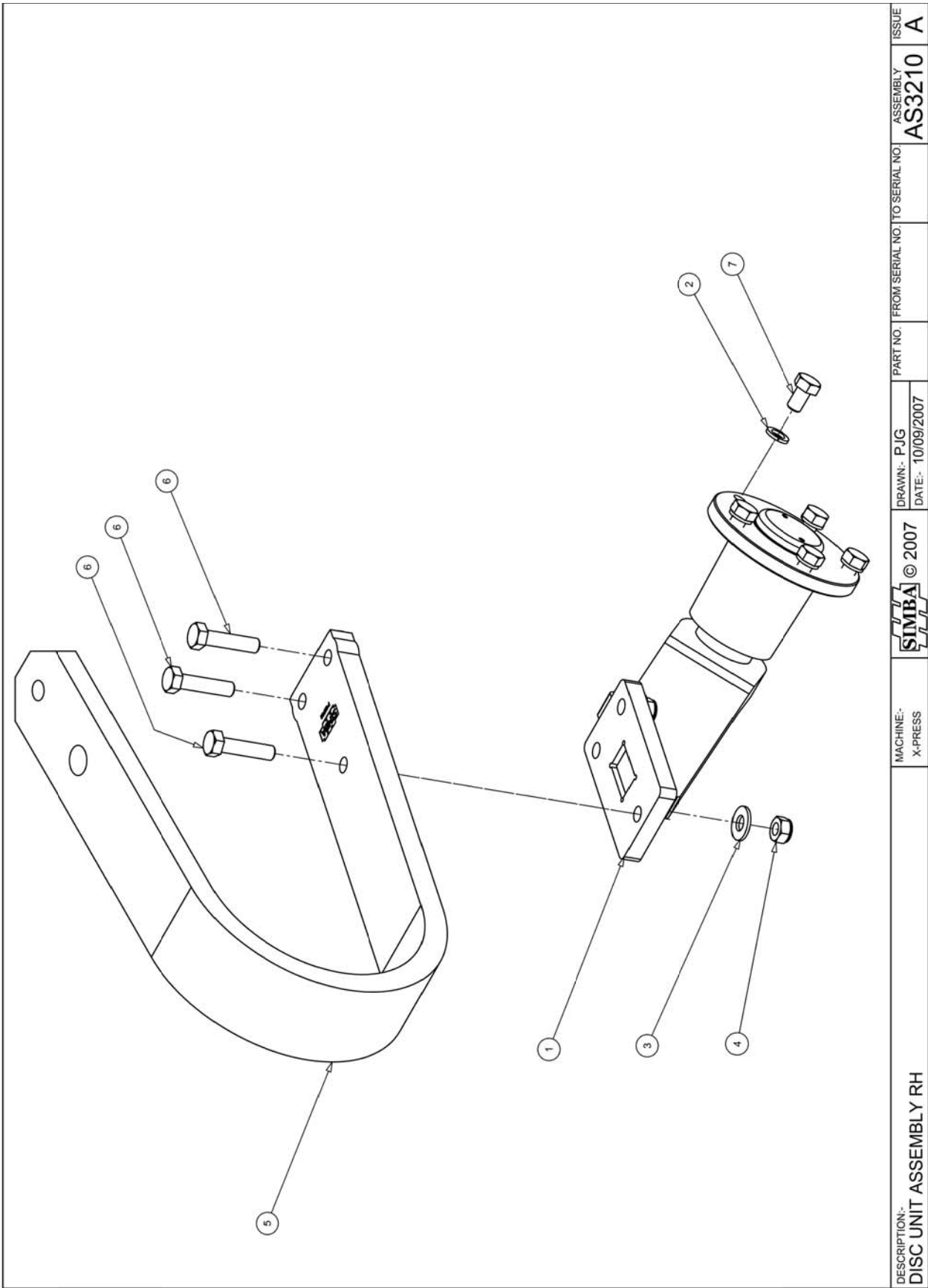
AS2527		REAR DRAWBAR ASSEMBLY		
ITEM	PART NO	DESCRIPTION	QTY	
1	P00002	BOLT U M12 GR8.8 70x54	4	
2	P00407	BOLT M20x80 GR. 8.8	4	
3	P00787	BOLT M20x200 GR. 8.8	2	
4	P01102	BOLT M16x70 GR. 8.8	4	
5	P02007	NUT LOCK M12	8	
6	P02008	NUT LOCK M16 'TYPE T'	8	
7	P02009	NUT LOCK M20	8	
8	P02484	LYNCH PIN CAT 2	1	
9	P02601	WASHER FLAT M12	8	
10	P02602	WASHER FLAT M16	18	
11	P02603	WASHER FLAT M20	10	
12	P02649	BOLT M16x90 GR. 8.8	2	
13	P03115	BOLT M20x60 GR. 8.8	2	
14	P03714	BUSH SPRUNG - Ø26xØ20x20	4	
15	P04753	BOLT M8x60 GR. 8.8	2	
16	P04754	NUT LOCK M8	7	
17	P05535	WASHER FLAT M8	14	
18	P05796	REFLECTOR - RED	2	
19	P07543	PLASTIC END CAP 40x40	4	
20	P09517	PERFECT HITCH - REAR	1	
21	P09597	BOLT M8x25 GR. 8.8	5	
22	P10235	DRAWBAR PIN Ø30	1	
23	P10588	DRAWBAR PIN LOCK PLATE	1	
24	P12323	BOLT M10x20 GR8.8 WASHER HEAD	4	
25	P12787	BOLT M16x75 GR8.8	2	
26	P14032	RIVET Ø5x16	4	
27	P14556	REAR DRAWBAR	1	
28	P14559	LIGHT MOUNT ARM RH	1	
29	P14560	LIGHT MOUNT ARM LH	1	
30	P14746	REAR SERVICE MOUNT	1	
31	P15848	BULKHEAD PLATE	2	
32	P16801	REAR LIGHT STAY	1	
33	P16839	DECAL MOUNT-SPEED	1	
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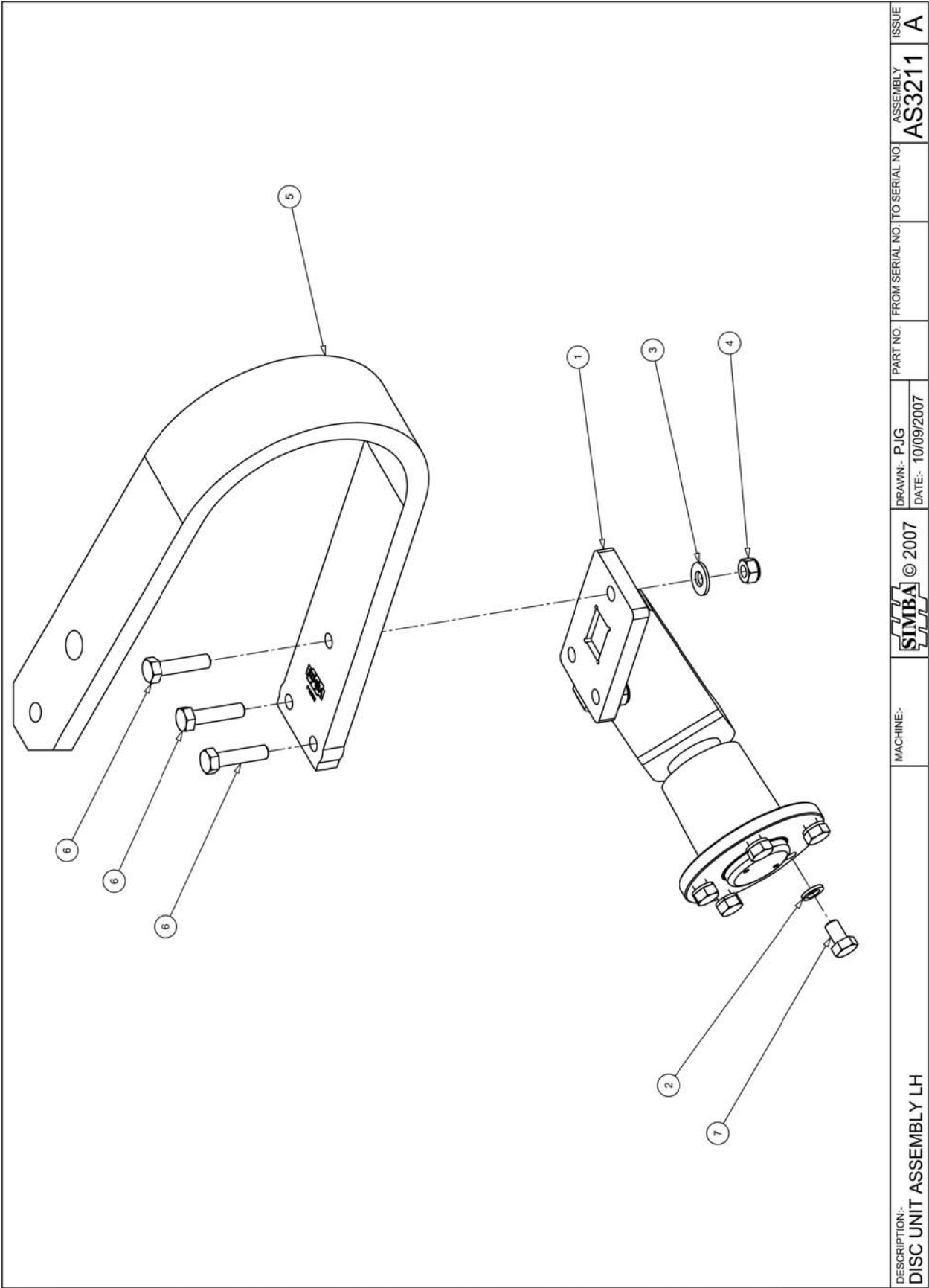
AS2470		WING RH C/W TINE FRAME		
ITEM	PART NO	DESCRIPTION	QTY	COMMENTS
1	AS2457	TINE FRAME LINK	5	
2	AS2458	TINE FRAME RH ASSEMBLY	1	
3	AS2518	DISC UNIT RH	13	
4	AS2519	DISC UNIT LH	13	
5	AS2553	TINE FRAME LINK WITH TRIGER	1	
6	AS2923	FRONT WHEEL RIGHT HAND	1	
7	H00170108	SPRING Ø4 L 149	2	
8	P00015	BOLT M24x75 GR. 8.8	1	
9	P00071	NIPPLE - GREASE	7	
10	P00407	BOLT M20x80 GR. 8.8	4	
11	P01901	BOLT M16x80 GR. 8.8	82	
12	P02007	NUT LOCK M12	6	
13	P02008	NUT LOCK M16 'TYPE T'	86	
14	P02009	NUT LOCK M20	4	
15	P02010	NUT LOCK M24	6	
16	P02483	LYNCH PIN CAT 1	1	
17	P02601	WASHER FLAT M12	12	
18	P02602	WASHER FLAT M16	168	
19	P02603	WASHER FLAT M20	8	
20	P02604	WASHER FLAT M24 Ø50	13	
21	P02649	BOLT M16x90 GR. 8.8	4	
22	P03087	BOLT M12x50 GR. 8.8	4	
23	P03117	BOLT M24x120 GR. 8.8	1	
24	P04754	NUT LOCK M8	2	
25	P05491	BOLT 1" UNF x 4 1/2" GR. V	1	
26	P05492	NUT LOCK 1" UNF	1	
27	P07361	GREASE NIPPLE 45°	2	
28	P07543	PLASTIC END CAP 40x40	4	
29	P07922	BUSH SPRUNG - Ø32xØ26x15	2	
30	P08331	WASHER FLAT M24x2	30	
31	P08833	SHIM COLLAR Ø45	1	
32	P08866	BOLT M12x110 GR8.8	2	
33	P09162	TOOLBOX LID	1	
34	P10017	TOOLBOX BODY	1	
35	P11156	SHIM KIT FOR Ø60mm ROD	1	
36	P12358	CAPSCREW M8x60 GR10.9	2	
37	P12610	BOLT M24x120 GR 10.9 STR	1	
38	P12620	TOP PLATE	26	
39	P12621	SPACER Ø36xØ16.5x31mm	52	
40	P12783	LYNCH PIN CAT 0	26	
41	P12810	NUT CASTLE M24	26	
42	P12815	BOLT M24x185 STRUCTURAL GR 8.8	26	
43	P14334	WING RH	1	
44	P14405	6.7m TRACKROD	2	
45	P14481	GANG ANGLING JACK	2	
46	P14629	LATCH	1	
47	P15429	TIE BAR JACK MOUNT	2	
48	P15434	PIN - ROLL PIVOT	4	
49	P15438	ANGLE GUIDE	2	
50	P16816	BOLT M24x160 GR10.9	3	



AS2471		WING LH C/W TINE FRAME		
ITEM	PART NO	DESCRIPTION	QTY	COMMENTS
1	AS2459	TINE FRAME LH ASSEMBLY	1	
2	AS2518	DISC UNIT RH	13	
3	AS2519	DISC UNIT LH	13	
4	AS2924	FRONT WHEEL LEFT HAND	1	
5	P02483	LYNCH PIN CAT 1	1	
6	P13013	MANUAL CASE Ø100	1	
7	P14402	WING LH	1	
8	P14481	GANG ANGLING JACK	1	
9	P14888	MANUAL - SL700	1	
10	P15933	JACK ADJUSTER	1	
11		NOTE - FOR DETAILS OF COMPONENTS REFER TO RIGHT HAND WING.		
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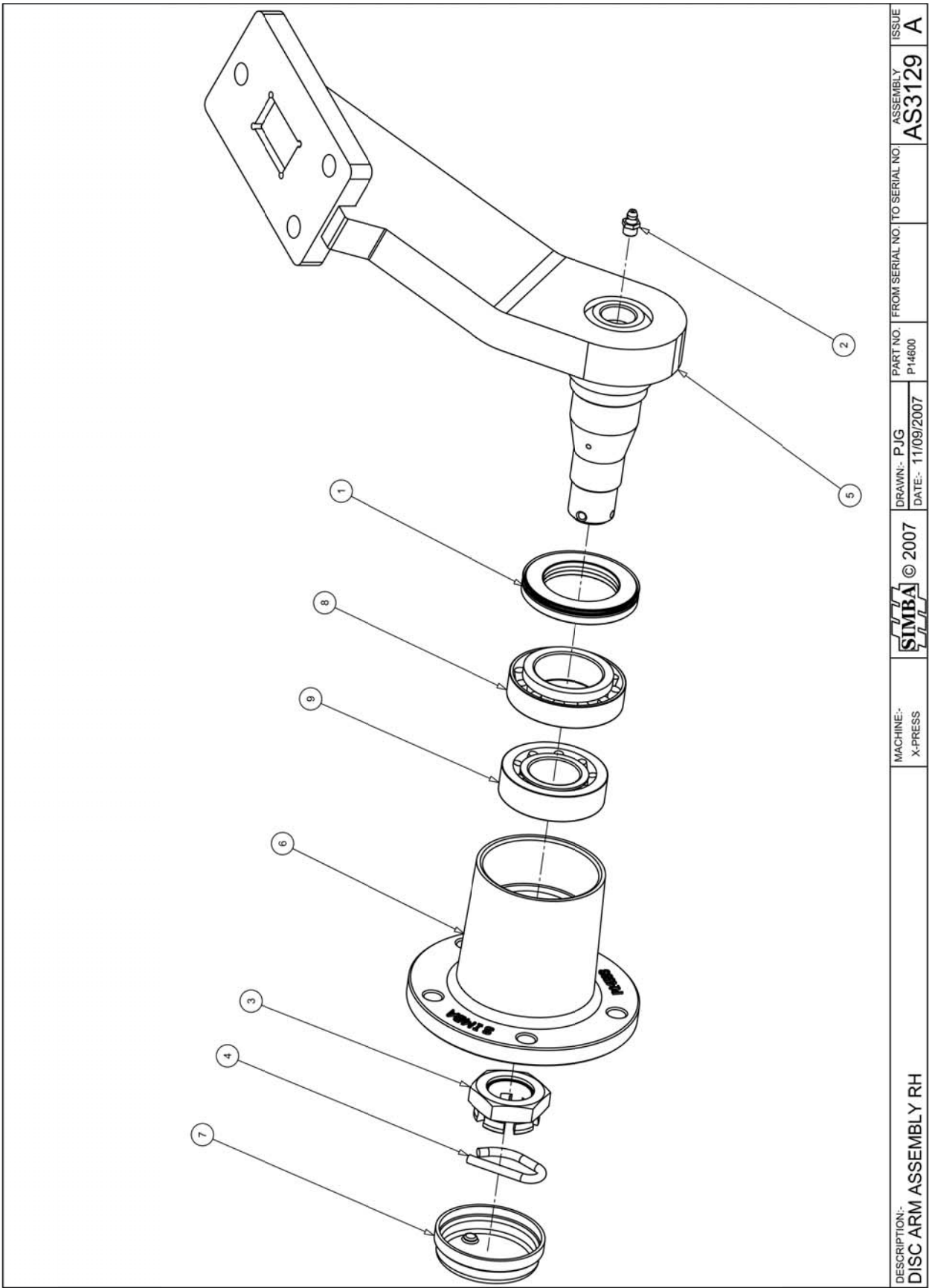


AS3210		DISC UNIT ASSEMBLY RH		
ITEM	PART NO	DESCRIPTION	QTY	
1	AS3129	DISC ARM ASSEMBLY RH	1	P14600
2	P02037	WASHER SPRING M12	5	
3	P02601	WASHER FLAT M12	3	
4	P07229	NUT LOCK M12 FINE 1.5	3	
5	P12782	SPRUNG LEAF 20mm	1	
6	P13174	BOLT M12x50 GR10.9 1.5P	3	
7	P15926	BOLT M12x20 GR8.8x1.25	5	
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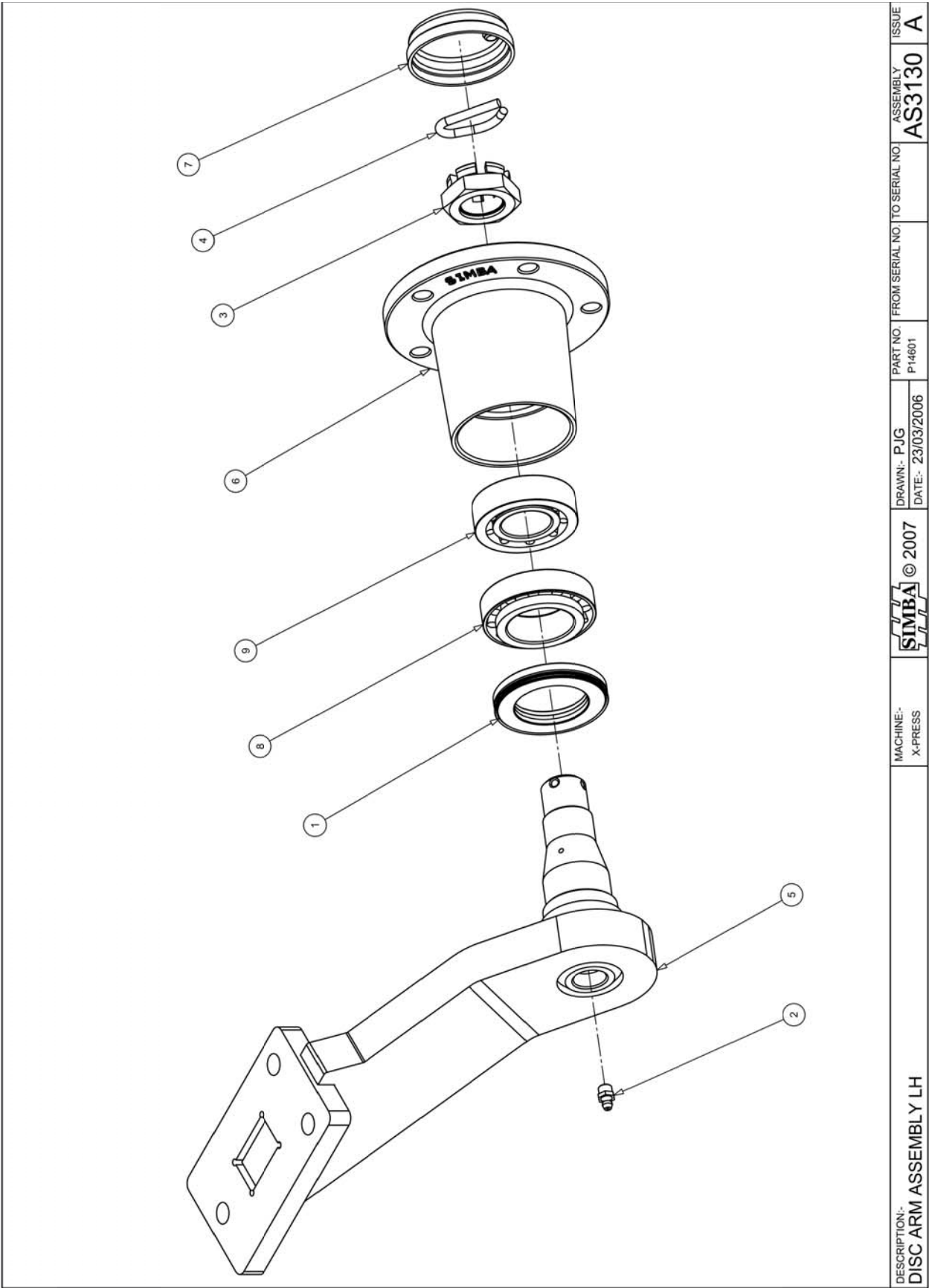


DESCRIPTION:- DISC UNIT ASSEMBLY LH	MACHINE:-	© 2007	DRAWN:- PJG DATE:- 10/09/2007	PART NO.	FROM SERIAL NO.	TO SERIAL NO.	ASSEMBLY AS3211	ISSUE A
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AS3211		DISC UNIT ASSEMBLY LH		
ITEM	PART NO	DESCRIPTION	QTY	COMMENTS
1	AS3130	DISC ARM ASSEMBLY LH	1	P14601
2	P02037	WASHER SPRING M12	5	
3	P02601	WASHER FLAT M12	3	
4	P07229	NUT LOCK M12 FINE 1.5	3	
5	P12782	SPRUNG LEAF 20mm	1	
6	P13174	BOLT M12x50 GR10.9 1.5P	3	
7	P15926	BOLT M12x20 GR8.8x1.25	5	
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AS3129		DISC ARM ASSEMBLY RH		
ITEM	PART NO	DESCRIPTION	QTY	COMMENTS
1	P12414	SEAL 64x45x9.5	1	NOT AVAILABLE INDIVIDUALLY
2	P12900	NIPPLE - GREASE M8	1	
3	P12907	NUT CASTLE M27x1.5	1	
4	P12908	SPRING PIN	1	
5	P14591	DISC ARM RH	1	
6	P14593	HUB CASTING	1	NOT AVAILABLE INDIVIDUALLY
7	P14594	HUB CAP	1	
8	P14595	BEARING 32008 40x68x19	1	
9	P14596	BEARING 32206 30x62x21	1	NOT AVAILABLE INDIVIDUALLY
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11	P12415	BEARING AND SEAL KIT COMPLETE		INCLUDES ITEMS 1,8,9
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DESCRIPTION:- DISC ARM ASSEMBLY LH	MACHINE:- X-PRESS	© 2007	DRAWN:- PJG DATE:- 23/03/2006	PART NO. P14601	FROM SERIAL NO. TO SERIAL NO.	ASSEMBLY AS3130	ISSUE A

AS3130		DISC ARM ASSEMBLY LH		
ITEM	PART NO	DESCRIPTION	QTY	COMMENTS
1	P12414	SEAL 64x45x9.5	1	NOT AVAILABLE INDIVIDUALLY
2	P12900	NIPPLE - GREASE M8	1	
3	P12907	NUT CASTLE M27x1.5	1	
4	P12908	SPRING PIN	1	
5	P14592	DISC ARM LH	1	
6	P14593	HUB CASTING	1	NOT AVAILABLE INDIVIDUALLY
7	P14594	HUB CAP	1	
8	P14595	BEARING 32008 40x68x19	1	
9	P14596	BEARING 32206 30x62x21	1	NOT AVAILABLE INDIVIDUALLY
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11	P12415	BEARING AND SEAL KIT COMPLETE		INCLUDES ITEMS 1,8,9
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UNIT SHOWN LOCKED IN WORK POSITION USING 3 x M16 BOLTS SPRING WASHERS AND PLAIN NUTS.

UNIT SHOWN IN TRANSPORT POSITION SECURE WITH M16 BOLT, STOW REMAINING FASTENERS THROUGH PLATE.

DESCRIPTION: COVERING DISC ASSEMBLY

MACHINE: SL 700

DRAWN: CAR

DATE: 12/01/2009

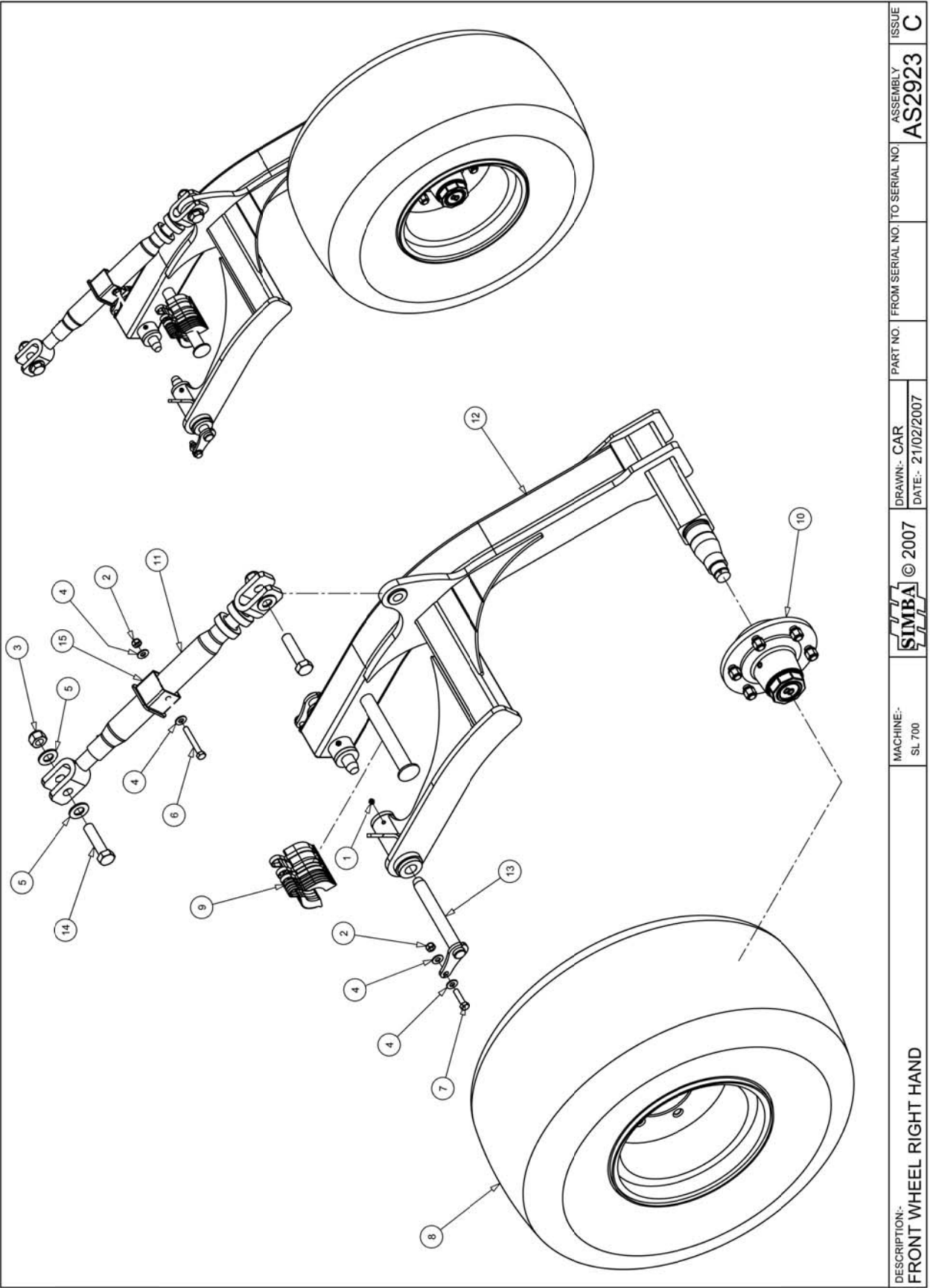
SIMBA © 2009

PART NO. FROM SERIAL NO. TO SERIAL NO.

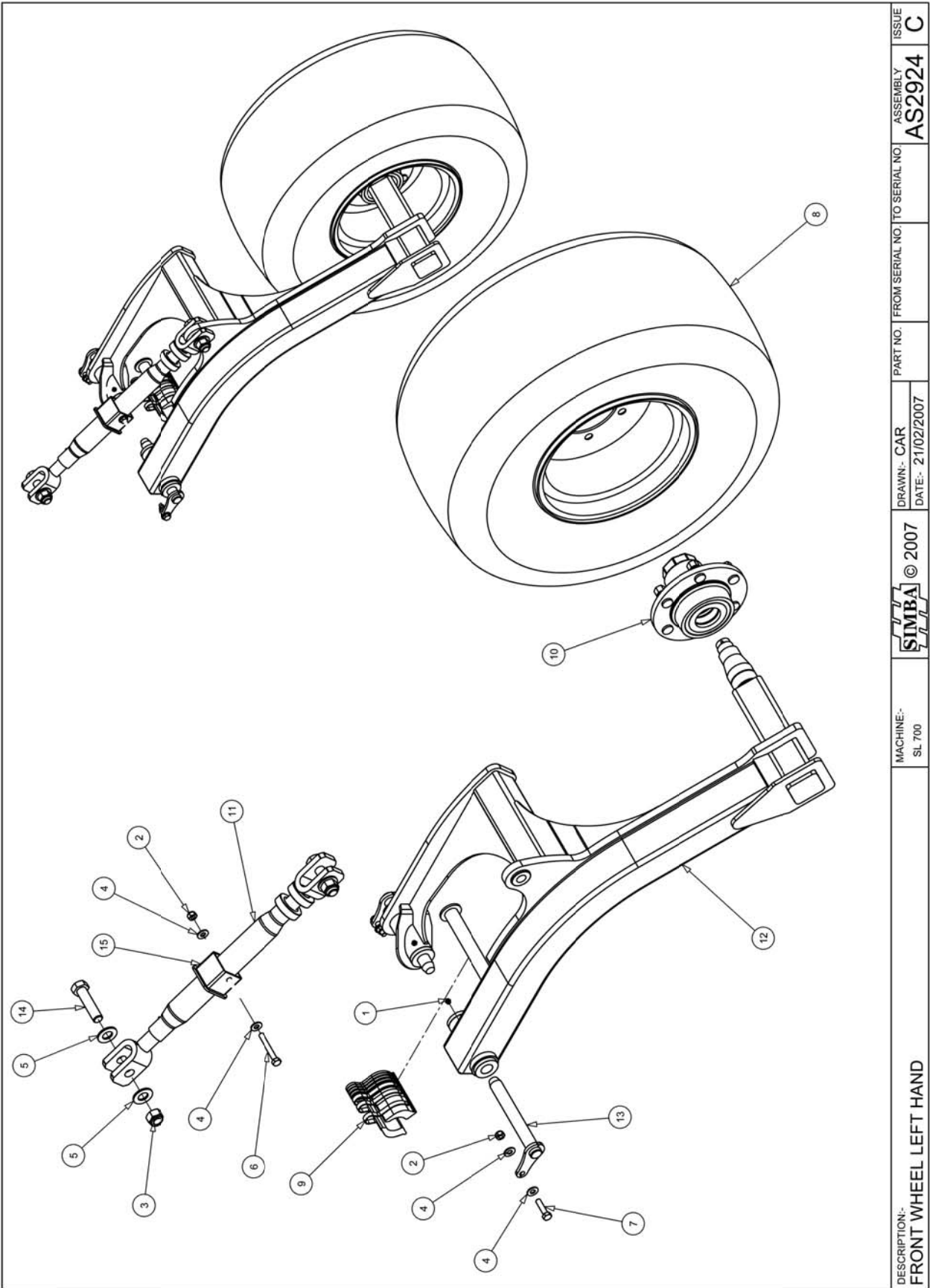
ASSEMBLY AS3664

ISSUE A

AS3664		COVERING DISC ASSEMBLY		
ITEM	PART NO	DESCRIPTION	QTY	
1	P00014	BOLT M24x80 GR. 8.8	1	
2	P01901	BOLT M16x80 GR. 8.8	3	
3	P02008	NUT LOCK M16 'TYPE T'	11	
4	P02010	NUT LOCK M24	3	
5	P02038	WASHER SPRING M16	3	
6	P02602	WASHER FLAT M16	20	
7	P02604	WASHER FLAT M24 Ø50	6	
8	P03705	BOLT U M16 GR8.8 130x137	1	
9	P07229	NUT LOCK M12 FINE 1.5	3	
10	P07916	BUSH SPRUNG - Ø32xØ26x25	2	
11	P11462	DISC BLADE Ø515x6	1	
12	P11494	BOLT M16x55 GR. 8.8	6	
13	P12782	SPRUNG LEAF 20mm	1	
14	P12792	BOLT M24x70 GR. 8.8	2	
15	P13174	BOLT M12x50 GR10.9 1.5P	3	
16	P14601	DISC ARM UNIT LH	1	
17	P15926	BOLT M12x20 GR8.8x1.25	5	
18	P16912	COVERING DISC BASE	1	
19	P16918	COVERING DISC BODY	1	
20	P16919	TRANSPORT STRAP	1	
21	P16920	LEAF CLAMP PLATE	1	
22	P16921	COVERING DISC SPACER	2	
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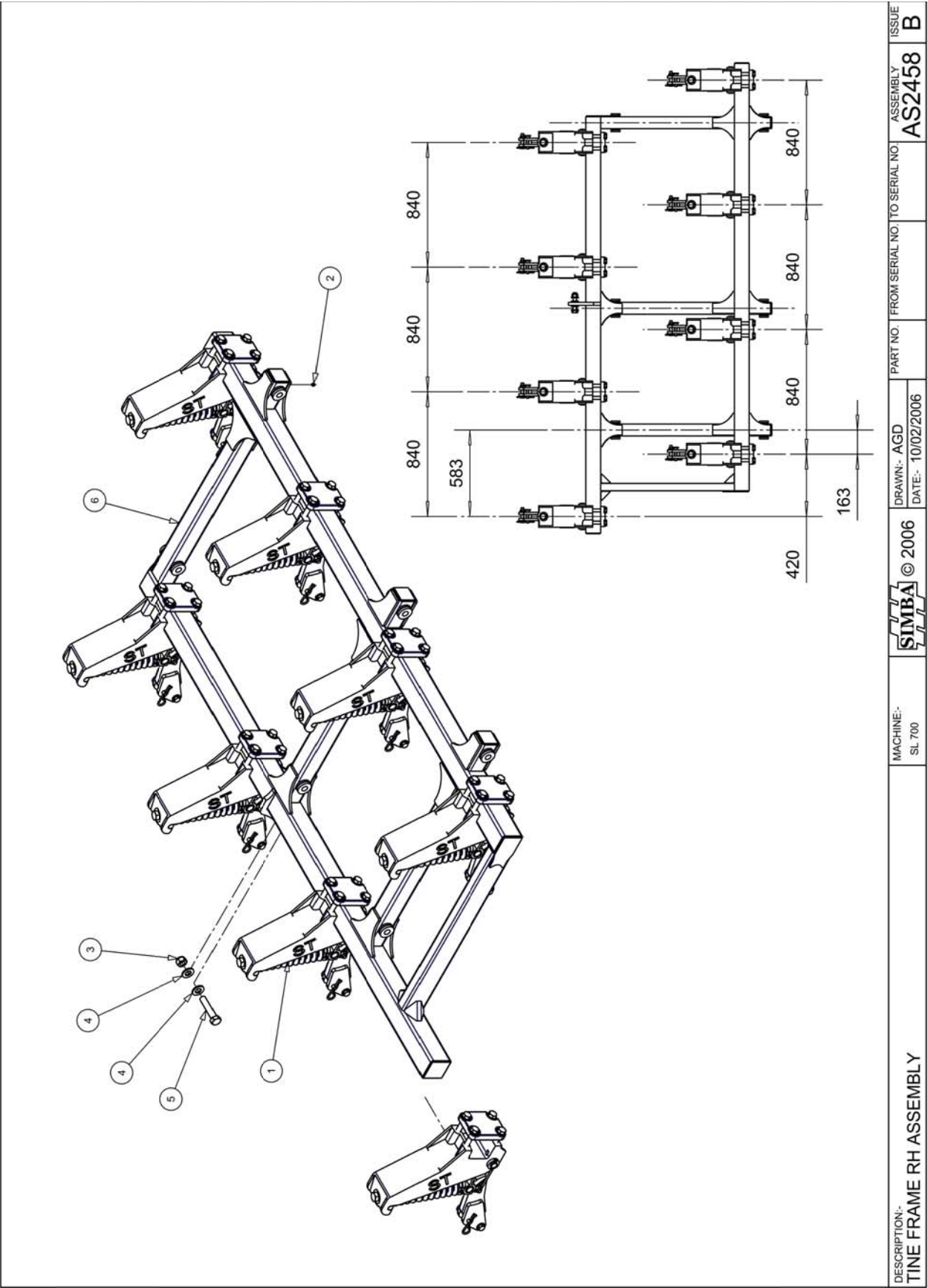


AS2923		FRONT WHEEL RIGHT HAND		
ITEM	PART NO	DESCRIPTION	QTY	
1	P00071	NIPPLE - GREASE	2	
2	P02007	NUT LOCK M12	3	
3	P02010	NUT LOCK M24	2	
4	P02601	WASHER FLAT M12	6	
5	P02604	WASHER FLAT M24 Ø50	4	
6	P02652	BOLT M12x90 GR. 8.8	1	
7	P03087	BOLT M12x50 GR. 8.8	2	
8	P04128	WHEEL ASSY 400/60x15.5 6 STUD	1	
9	P08802	SHIM KIT 7 PIECE	1	
10	P13033	HUB ASSEMBLY 6 STUD COMPLETE	1	
11	P14097	TOPLINK CAT 3 CLEVIS ENDS	1	
12	P15389	WHEEL LEG RH	1	
13	P15415	PIN - FRONT WHEEL	2	
14	P15932	BOLT M24x100 GR. 10.9	2	
15	P16805	ADJUSTER NUT	1	
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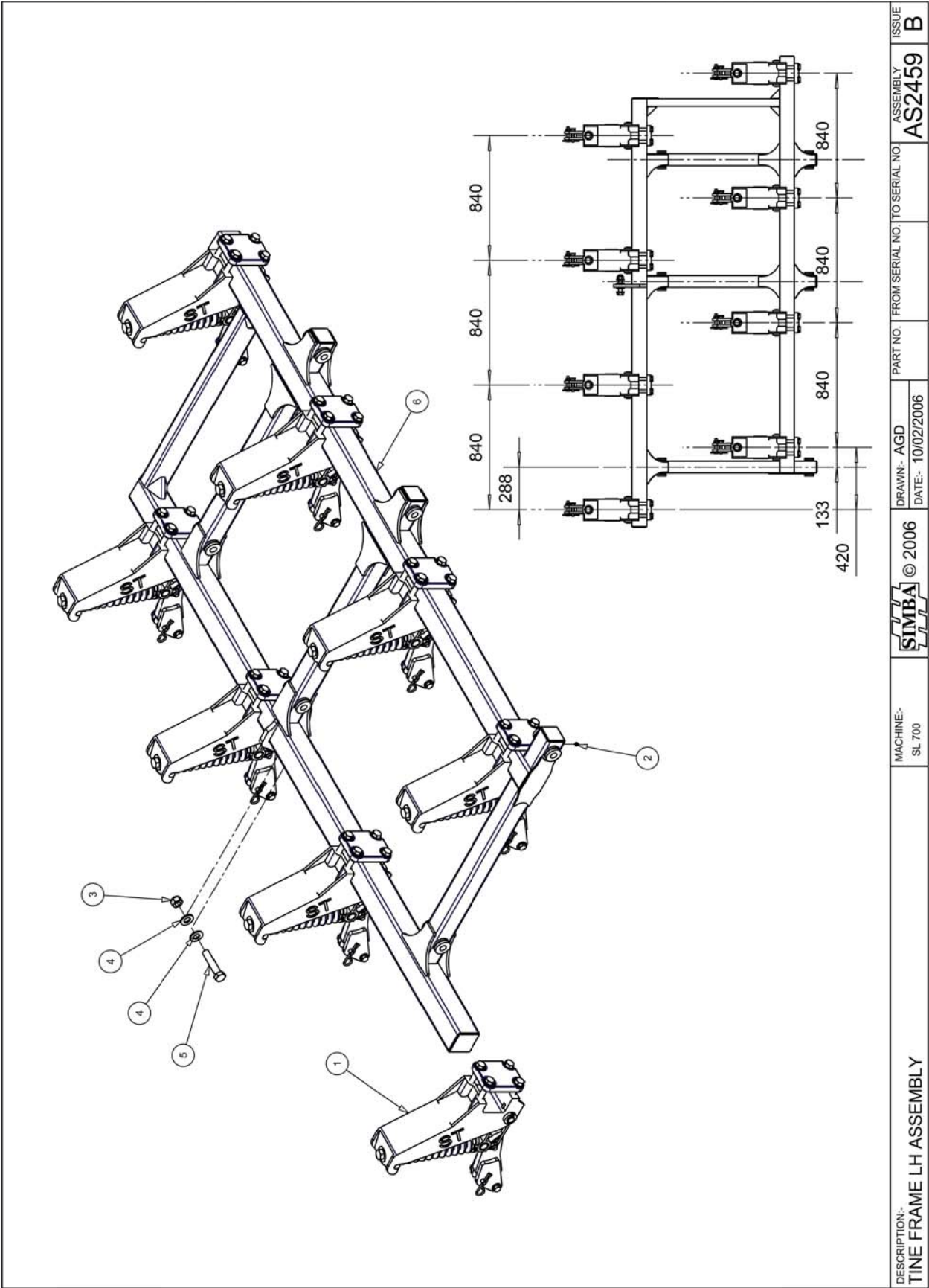


DESCRIPTION:- FRONT WHEEL LEFT HAND	MACHINE:- SL 700	SIMBA © 2007	DRAWN:- CAR DATE:- 21/02/2007	PART NO.	FROM SERIAL NO. TO SERIAL NO.	ASSEMBLY AS2924	ISSUE C

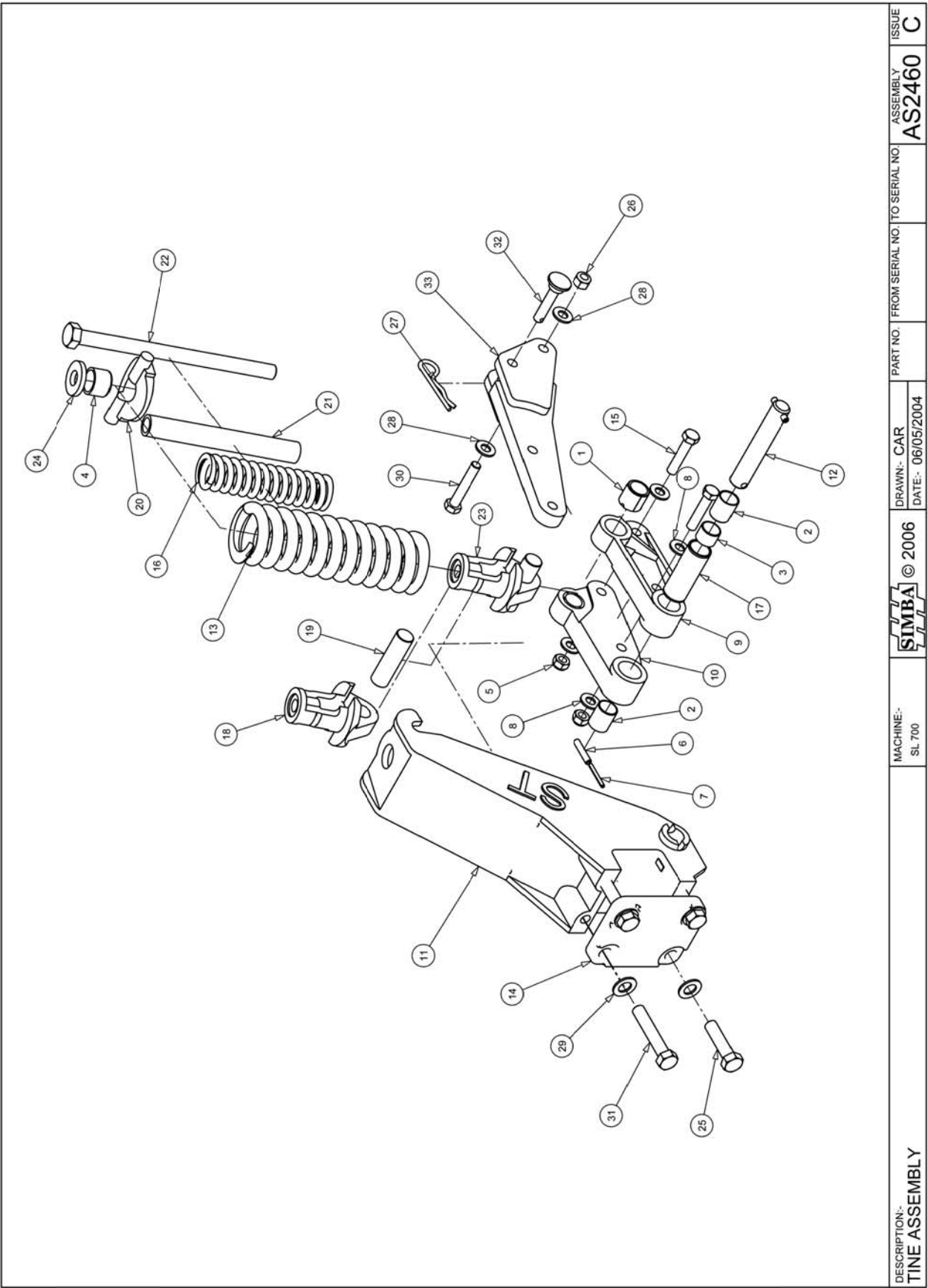
AS2924		FRONT WHEEL LEFT HAND		
ITEM	PART NO	DESCRIPTION	QTY	
1	P00071	NIPPLE - GREASE	2	
2	P02007	NUT LOCK M12	3	
3	P02010	NUT LOCK M24	2	
4	P02601	WASHER FLAT M12	6	
5	P02604	WASHER FLAT M24 Ø50	4	
6	P02652	BOLT M12x90 GR. 8.8	1	
7	P03087	BOLT M12x50 GR. 8.8	2	
8	P04128	WHEEL ASSY 400/60x15.5 6 STUD	1	
9	P08802	SHIM KIT 7 PIECE	1	
10	P13033	HUB ASSEMBLY 6 STUD COMPLETE	1	
11	P14097	TOPLINK CAT 3 CLEVIS ENDS	1	
12	P15390	WHEEL LEG LH	1	
13	P15415	PIN - FRONT WHEEL	2	
14	P15932	BOLT M24x100 GR. 10.9	2	
15	P16805	ADJUSTER NUT	1	
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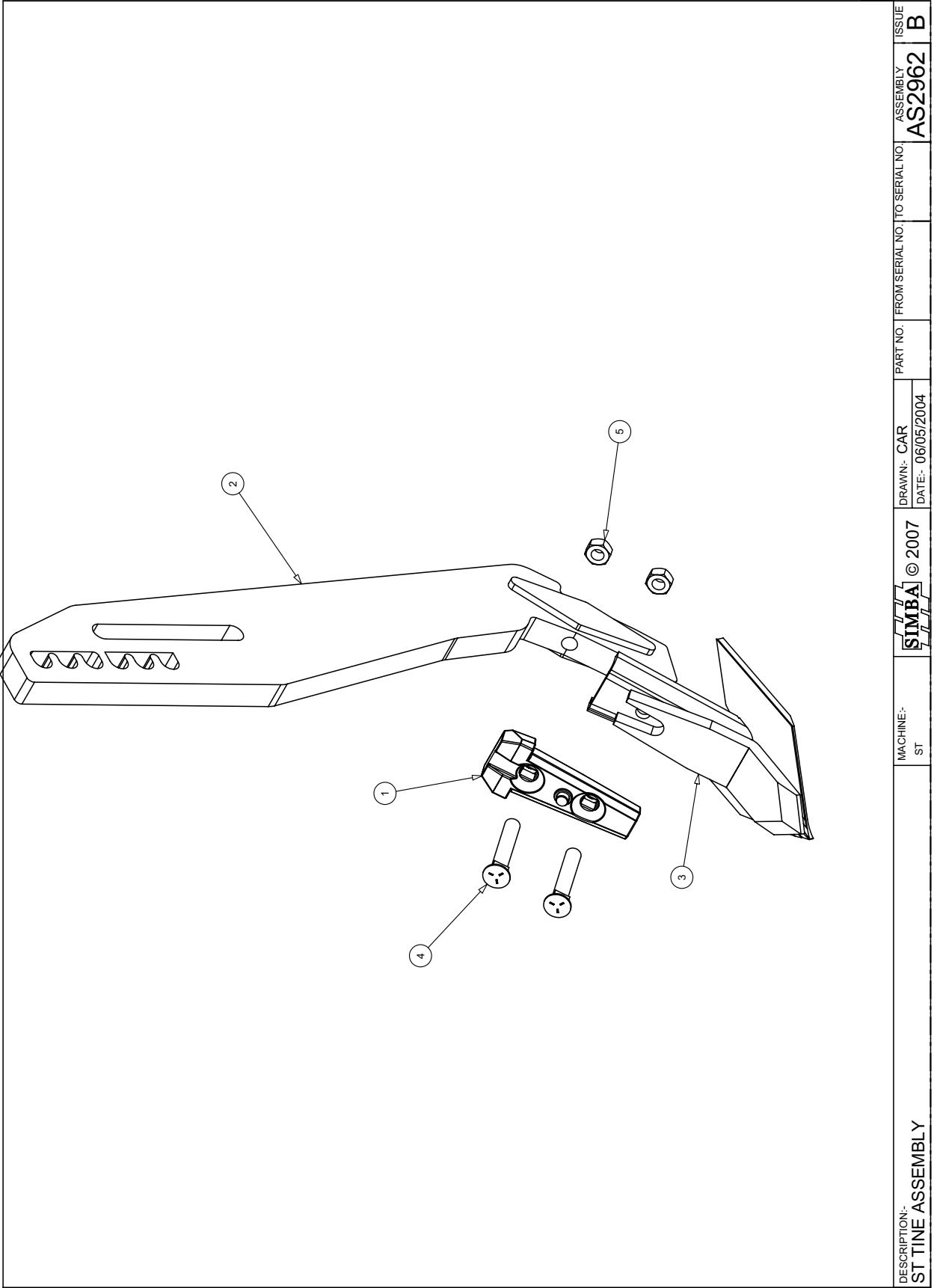
AS2458		TINE FRAME RH ASSEMBLY		
ITEM	PART NO	DESCRIPTION	QTY	
1	AS2460	TINE ASSEMBLY	8	
2	P00071	NIPPLE - GREASE	6	
3	P02010	NUT LOCK M24	1	
4	P02604	WASHER FLAT M24 Ø50	2	
5	P12610	BOLT M24x120 GR 10.9 STR	1	
6	P14387	TINE FRAME RH	1	
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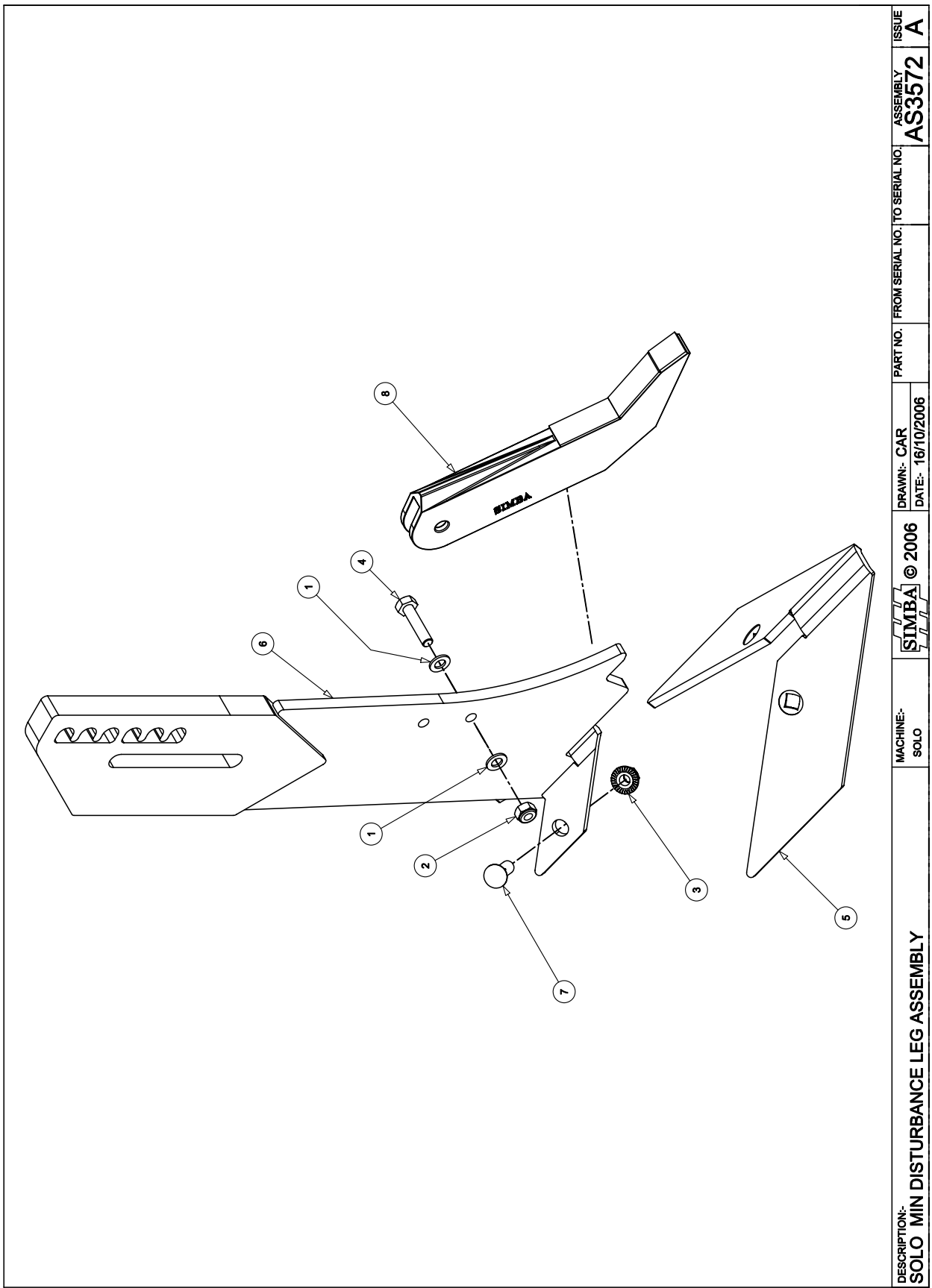
AS2459		TINE FRAME LH ASSEMBLY		
ITEM	PART NO	DESCRIPTION	QTY	COMMENTS
1	AS2460	TINE ASSEMBLY	8	
2	P00071	NIPPLE - GREASE	6	
3	P02010	NUT LOCK M24	1	
4	P02604	WASHER FLAT M24 Ø50	2	
5	P12610	BOLT M24x120 GR 10.9 STR	1	
6	P14388	TINE FRAME LH	1	
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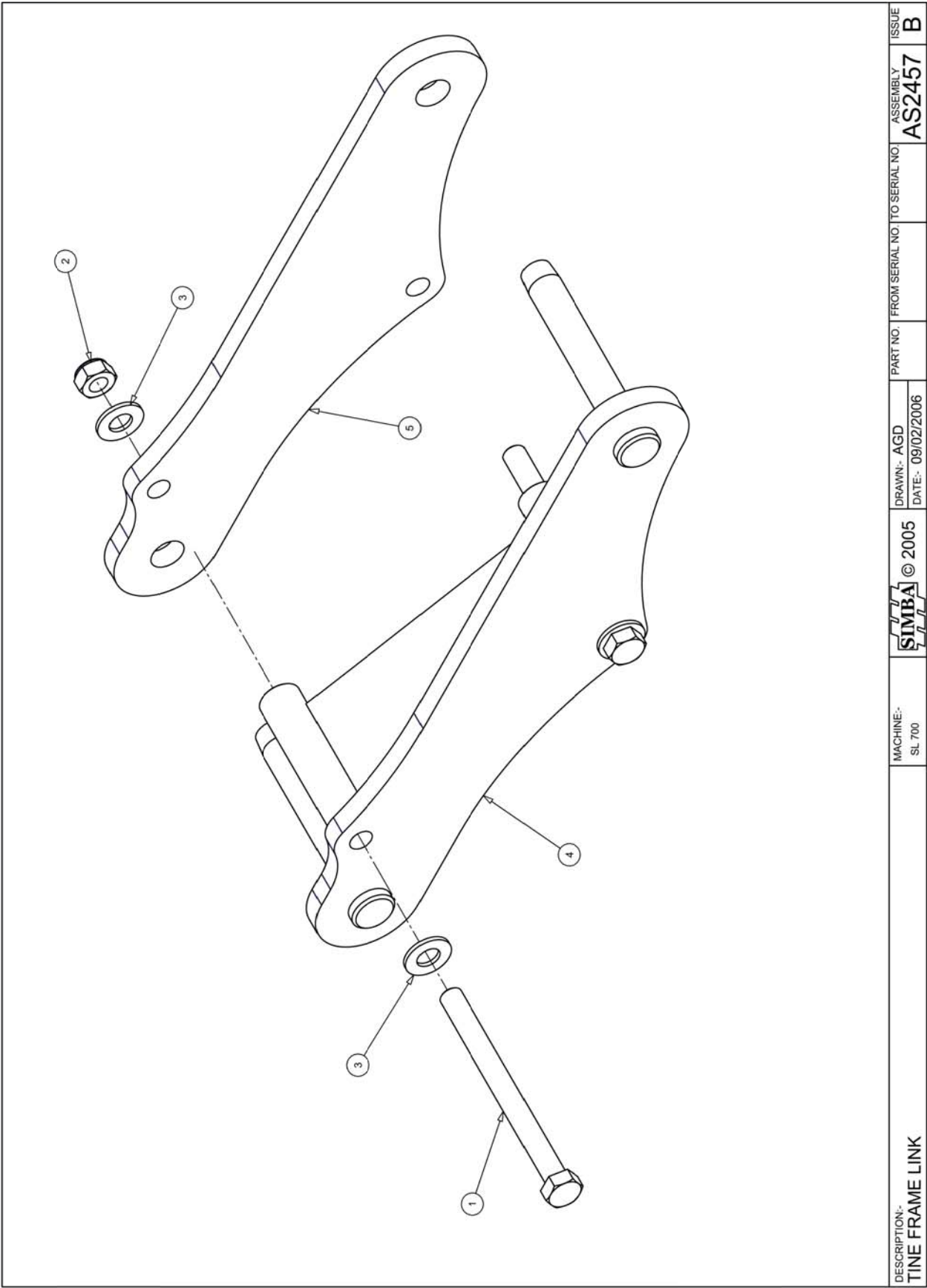
AS2460		TINE ASSEMBLY		
ITEM	PART NO	DESCRIPTION	QTY	COMMENTS
1	H00230085	BUSH Ø38xØ30x35	2	
2	H00230086	BUSH Ø34xØ30x40	2	
3	H00230087	BUSH Ø34xØ30x25	1	
4	H00230098	BUSH Ø44xØ36x30	1	
5	H00350061	NUT LOCK M16	2	
6	H00370060	ROLL PIN Ø10x50	2	
7	H00370074	ROLL PIN Ø6x50	2	
8	H00370108	WASHER FLAT M16	4	
9	H34060801	TINE ARM LH	1	
10	H34060803	TINE ARM RH	1	
11	H34060806	CLAMP BASE	1	
12	H34060807	PIN Ø30x178	1	
13	H34060809	SPRING Ø84xØ19x372	1	
14	H34060812	RETAINING PLATE	1	
15	H34060813	BOLT M16x75 GR10.9	2	
16	H34060816	SPRING Ø50xØ10x273	1	NOTE-SINGLE PART NOTE-SINGLE PART
17	H34060822	BUSH Ø40xØ34x105	1	
18	H34060842	SPRING PIVOT CASTING	1	
19	H34060843	SPRING PIVOT - CROSS PIN	1	
20	H34060844	SPRING TOP PLATE	1	
21	H34060845	SPRING TUBE	1	NOTE-COMPLETE
22	H34060846	BOLT M24x360 GR8.8	1	
23	H34062300	SPRING PIVOT COMPLETE	1	
24	H34080847	WASHER Ø57xØ26x8	1	
25	P00407	BOLT M20x80 GR. 8.8	2	
26	P02008	NUT LOCK M16 'TYPE T'	1	
27	P02485	R CLIP Ø6x120	1	
28	P02602	WASHER FLAT M16	2	
29	P02603	WASHER FLAT M20	4	
30	P02649	BOLT M16x90 GR. 8.8	1	
31	P03734	BOLT M20x110 GR. 8.8	2	
32	P05207	PIN Ø16x73	1	
33	P12911	TERRAGRIP CONVERTER	1	
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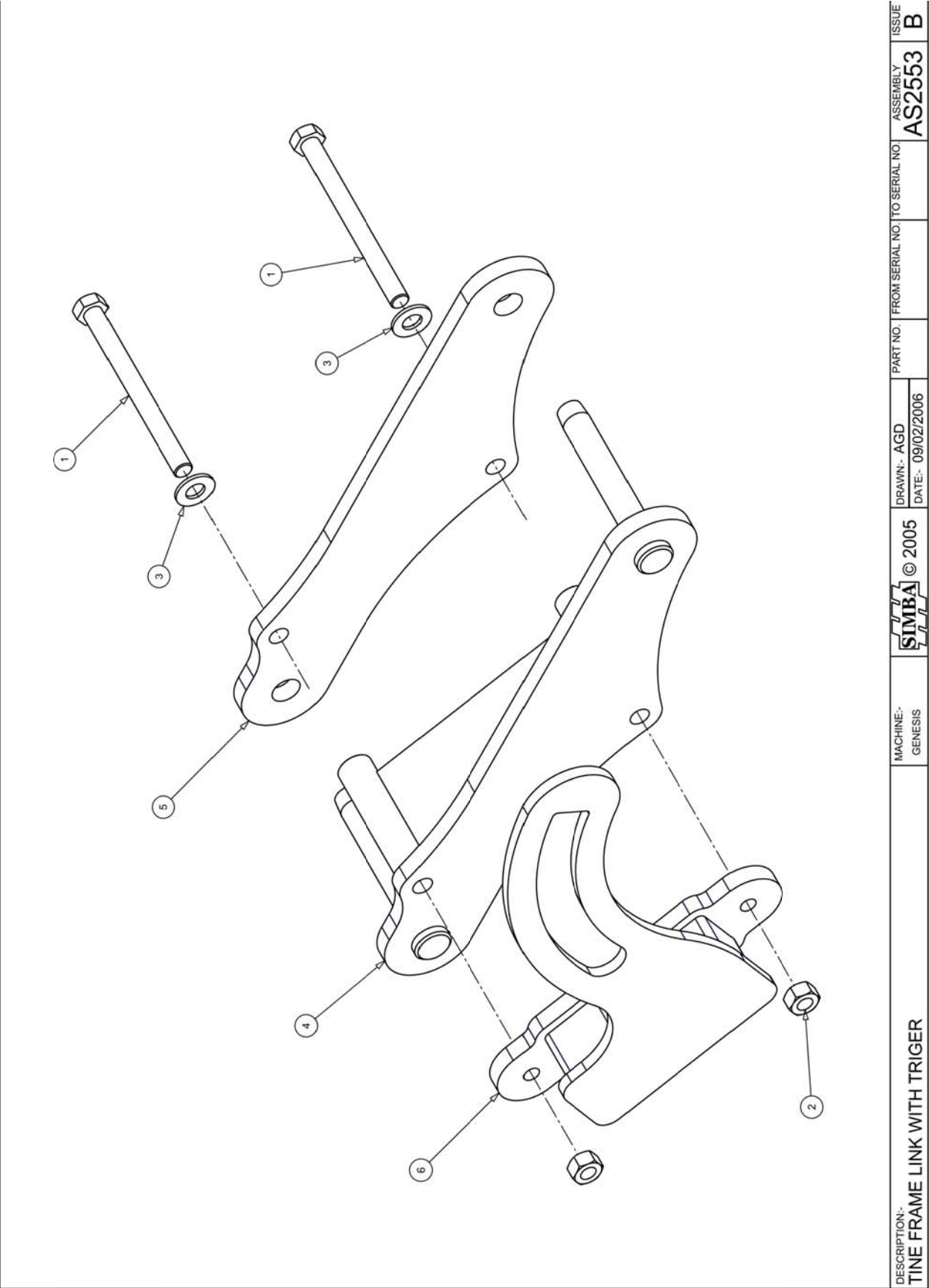
AS2962		ST TINE		
ITEM	PART NO	DESCRIPTION	QTY	
1	P12711	WEDGE COMPLETE	1	
2	P13093	TINE - ST TYPE	1	
3	P14597	POINT 100mm HD	1	
4	P14913	BOLT 1/2" UNCx3" CSK SQ.	2	
5	P14914	NUT LOCK 1/2" UNC	2	
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AS3572		SOLO MIN DISTURBANCE LEG		
ITEM	PART NO	DESCRIPTION	QTY	COMMENTS
1	P02600	WASHER FLAT M10	2	
2	P05534	NUT LOCK M10	1	
3	P11275	NUT TOOTHED M12	2	
4	P12778	BOLT M10x45 GR8.8	1	
5	P13812	WING - LD	1	
6	P13813	TINE - LD 25x630	1	
7	P15809	BOLT M12x40 CSK SQ 8.8	2	
8	P15957	POINT EP	1	
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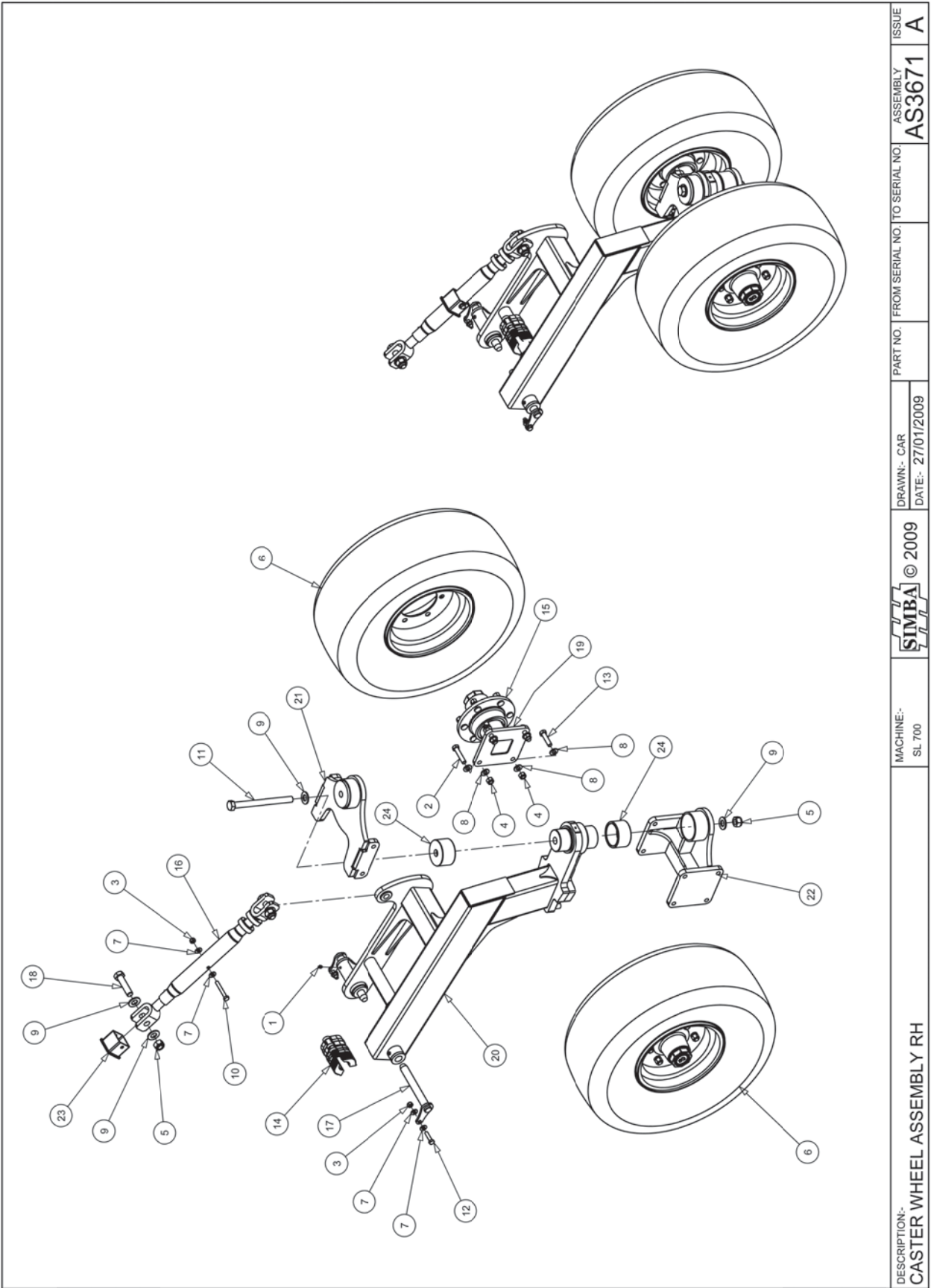


AS2457		TINE FRAME LINK		
ITEM	PART NO	DESCRIPTION	QTY	
1	P00053	BOLT M16x180 GR. 8.8	2	
2	P02008	NUT LOCK M16	2	
3	P02602	WASHER FLAT M16	4	
4	P14385	SPLIT LINK - SHAFT	1	
5	P14386	SPLIT LINK - PLAIN	1	
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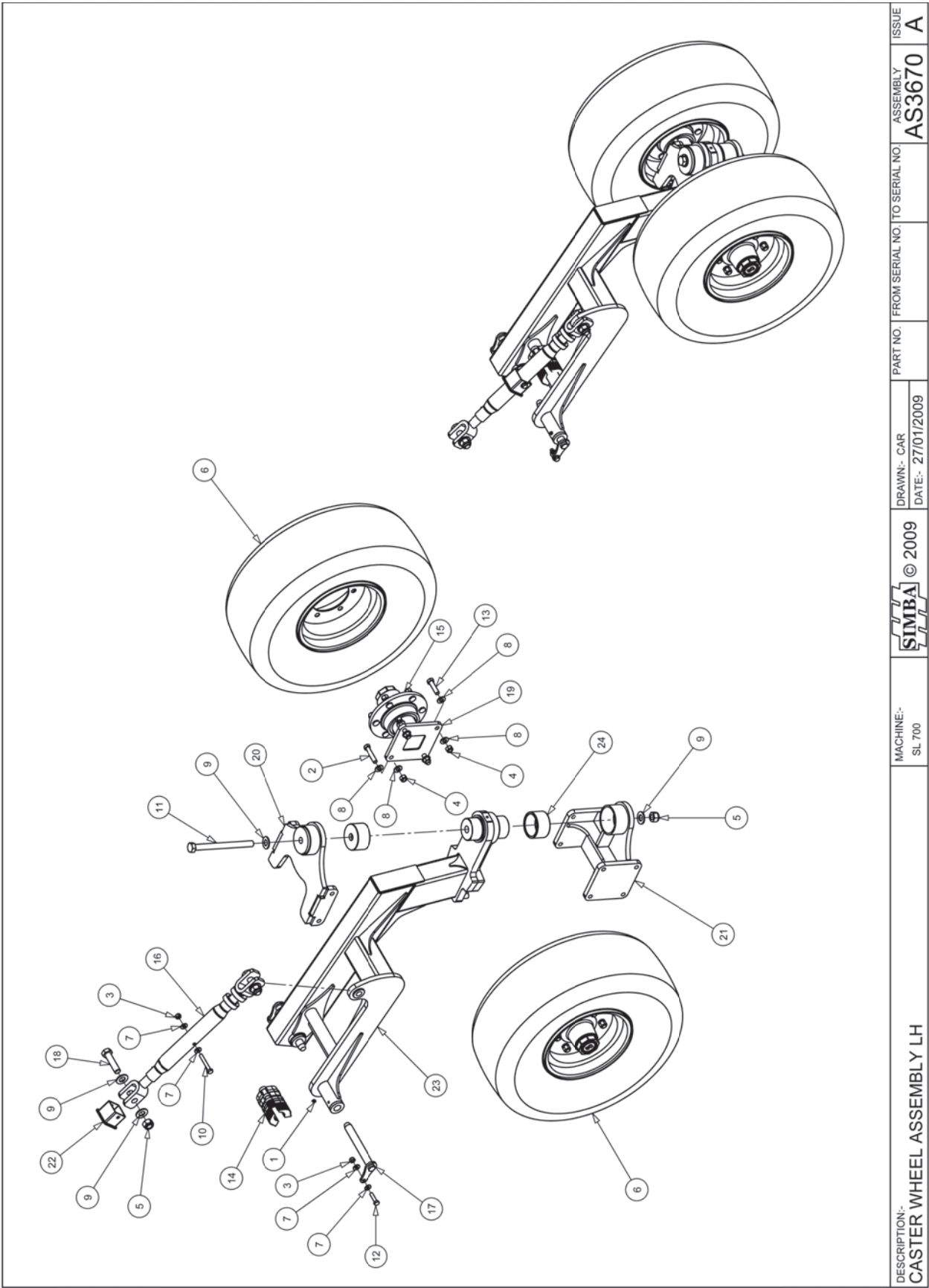
DESCRIPTION: TINE FRAME LINK WITH TRIGER	MACHINE: GENESIS	© 2005	DRAWN:- AGD DATE:- 09/02/2006	PART NO.	FROM SERIAL NO.	TO SERIAL NO.	ASSEMBLY AS2553	ISSUE B

AS2553		TINE LINK WITH LATCH TRIGGER		
ITEM	PART NO	DESCRIPTION	QTY	
1	P00053	BOLT M16x180 GR. 8.8	2	
2	P01358	NUT PLAIN M16	2	
3	P02602	WASHER FLAT M16	2	
4	P14385	SPLIT LINK - SHAFT	1	
5	P14386	SPLIT LINK - PLAIN	1	
6	P14630	LATCH TRIGGER	1	
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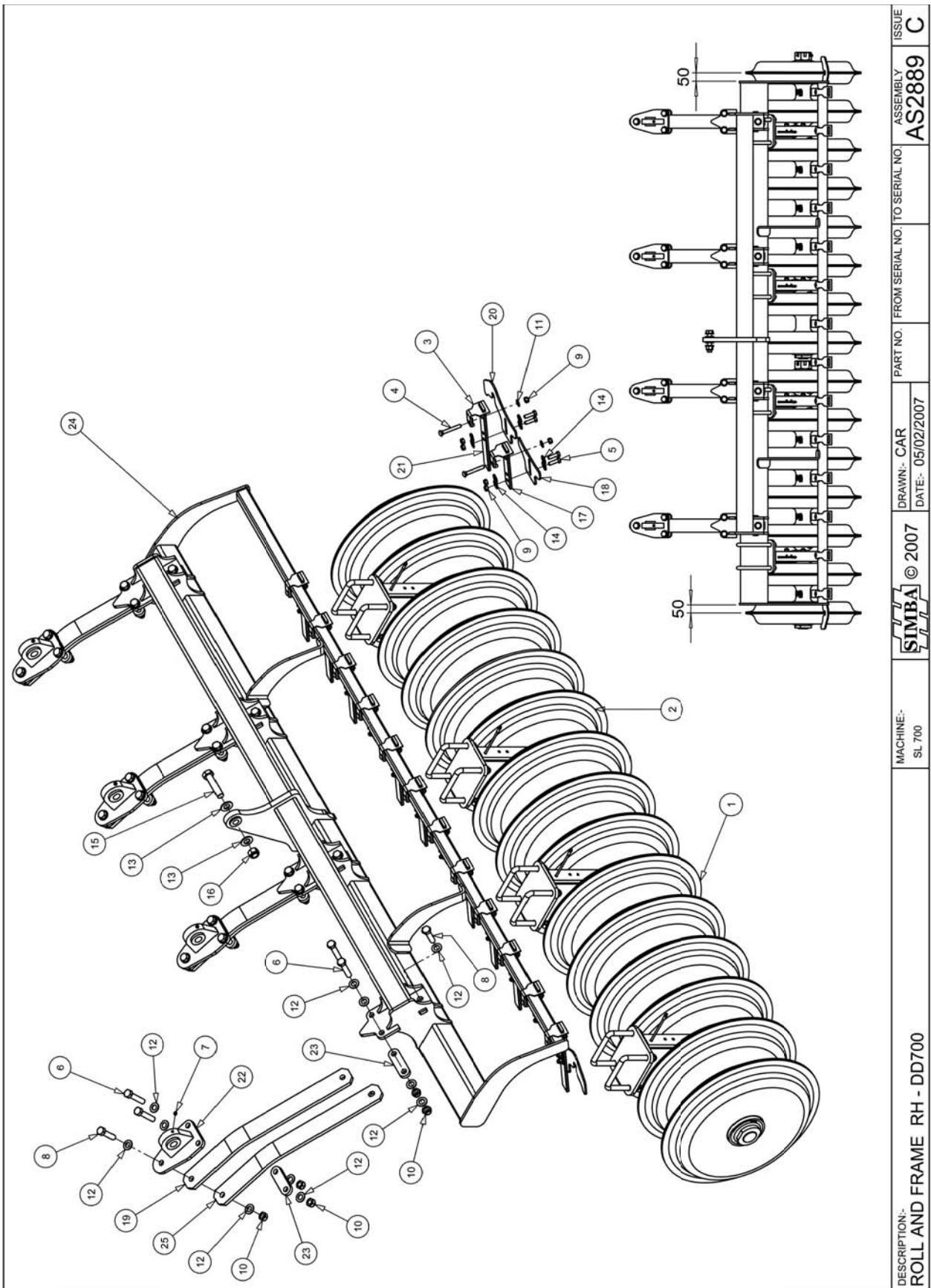
DESCRIPTION:- CASTER WHEEL ASSEMBLY RH		MACHINE:- SL 700		SIMBA © 2009		DRAWN:- CAR DATE:- 27/01/2009		PART NO.	FROM SERIAL NO. TO SERIAL NO.	ASSEMBLY AS3671	ISSUE A
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AS3671		CASTER WHEEL ASSEMBLY RH		
ITEM	PART NO	DESCRIPTION	QTY	
1	P00071	NIPPLE - GREASE	2	
2	P01901	BOLT M16x80 GR. 8.8	4	
3	P02007	NUT LOCK M12	3	
4	P02008	NUT LOCK M16 'TYPE T'	8	
5	P02010	NUT LOCK M24	3	
6	P02020	WHEEL 11.5/80-15.3 C/W 6 STUD RIM	2	
7	P02601	WASHER FLAT M12	6	
8	P02602	WASHER FLAT M16	16	
9	P02604	WASHER FLAT M24 Ø50	6	
10	P02652	BOLT M12x90 GR. 8.8	1	
11	P02656	BOLT M24x280 GR8.8	1	
12	P03087	BOLT M12x50 GR. 8.8	2	
13	P08282	BOLT M16x65 GR8.8 STR	4	
14	P08802	SHIM KIT 7 PIECE	1	
15	P13033	HUB ASSEMBLY 6 STUD COMPLETE	2	
16	P14097	TOPLINK CAT 3 CLEVIS ENDS	1	
17	P15415	PIN - FRONT WHEEL	2	
18	P15932	BOLT M24x100 GR. 10.9	2	
19	P16501	WHEEL STUB	2	
20	P16534	CASTOR WHEEL LEG RH	1	
21	P16537	CASTOR WHEEL TOP PLATE	1	
22	P16538	CASTOR WHEEL BOTTOM PLATE	1	
23	P16805	ADJUSTER NUT	1	
24	P16927	BEARING CUP	2	
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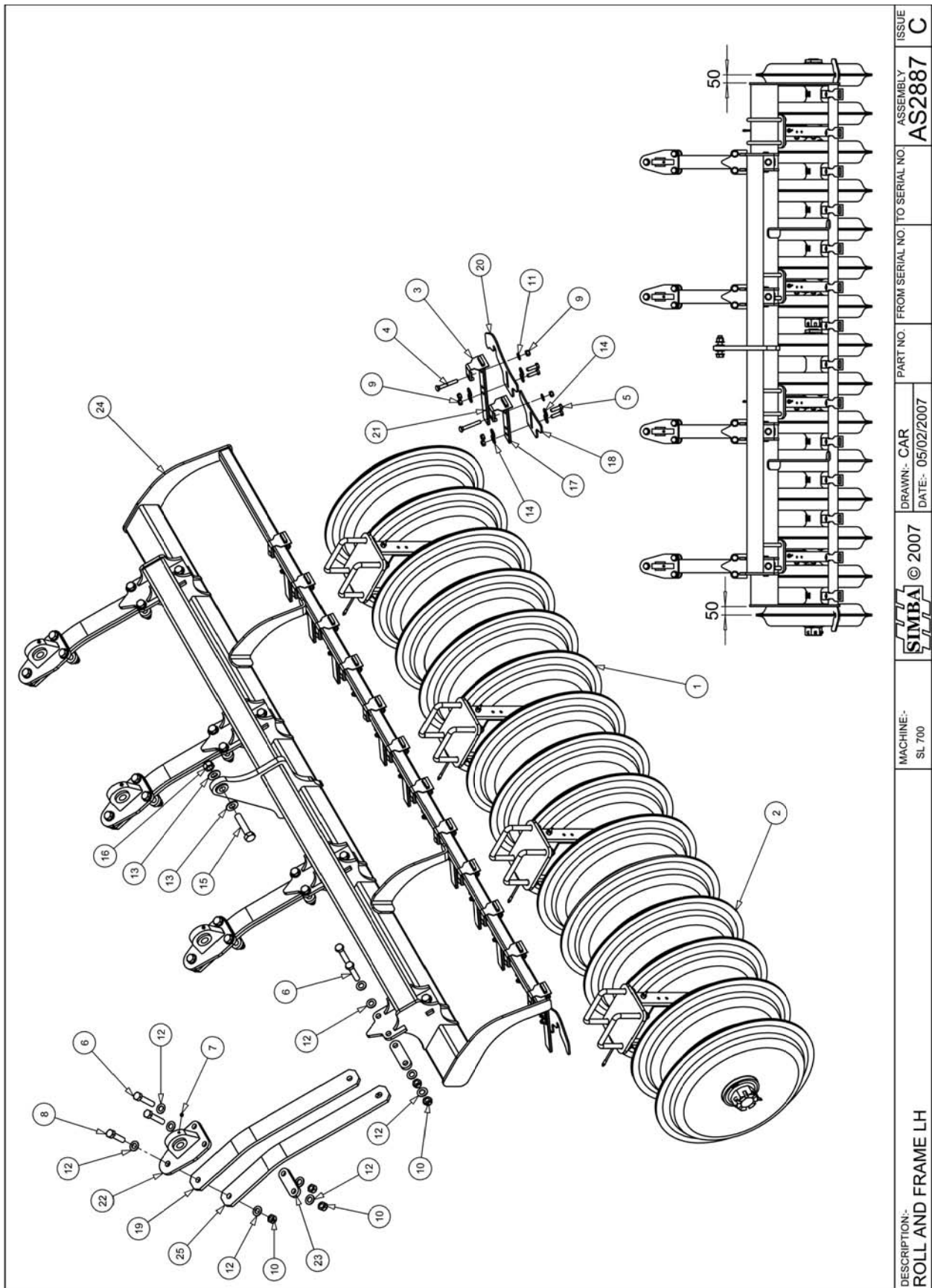
DESCRIPTION:- CASTER WHEEL ASSEMBLY LH		MACHINE:- SL 700		SIMBA © 2009		DRAWN:- CAR DATE:- 27/01/2009		PART NO.	FROM SERIAL NO.	TO SERIAL NO.	ASSEMBLY AS3670	ISSUE A
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AS3670		CASTER WHEEL ASSEMBLY LH		
ITEM	PART NO	DESCRIPTION	QTY	
1	P00071	NIPPLE - GREASE	2	
2	P01901	BOLT M16x80 GR. 8.8	4	
3	P02007	NUT LOCK M12	3	
4	P02008	NUT LOCK M16 'TYPE T'	8	
5	P02010	NUT LOCK M24	3	
6	P02020	WHEEL 11.5/80-15.3 C/W 6 STUD RIM	2	
7	P02601	WASHER FLAT M12	6	
8	P02602	WASHER FLAT M16	16	
9	P02604	WASHER FLAT M24 Ø50	6	
10	P02652	BOLT M12x90 GR. 8.8	1	
11	P02656	BOLT M24x280 GR8.8	1	
12	P03087	BOLT M12x50 GR. 8.8	2	
13	P08282	BOLT M16x65 GR8.8 STR	4	
14	P08802	SHIM KIT 7 PIECE	1	
15	P13033	HUB ASSEMBLY 6 STUD COMPLETE	2	
16	P14097	TOPLINK CAT 3 CLEVIS ENDS	1	
17	P15415	PIN - FRONT WHEEL	2	
18	P15932	BOLT M24x100 GR. 10.9	2	
19	P16501	WHEEL STUB	2	
20	P16537	CASTOR WHEEL TOP PLATE	1	
21	P16538	CASTOR WHEEL BOTTOM PLATE	1	
22	P16805	ADJUSTER NUT	1	
23	P16926	CASTOR WHEEL LEG RH	1	
24	P16927	BEARING CUP	2	
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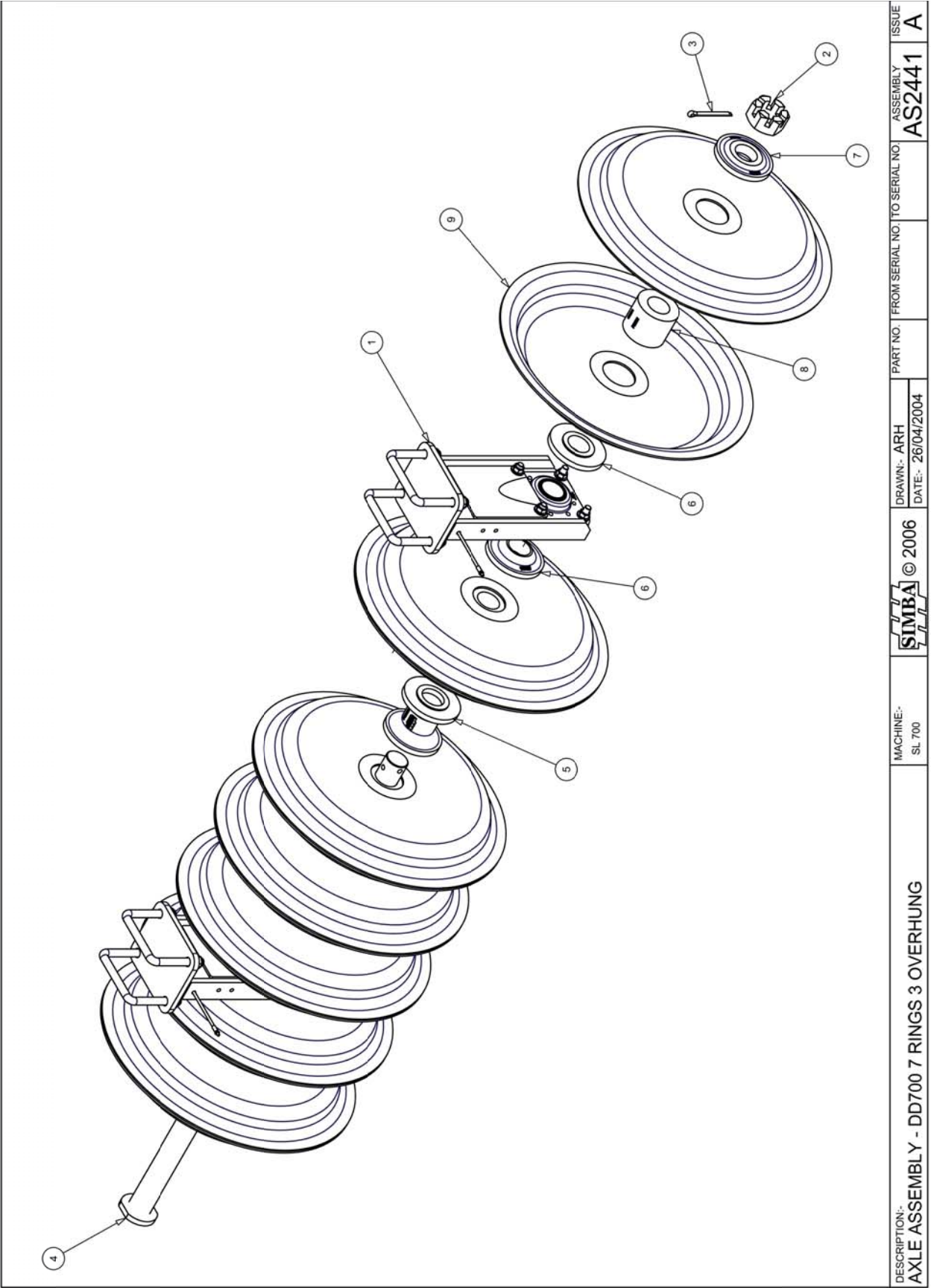
DESCRIPTION:- ROLL AND FRAME RH - DD700	MACHINE:- SL 700	 © 2007 DRAWN:- CAR DATE:- 05/02/2007	PART NO. FROM SERIAL NO. TO SERIAL NO. ASSEMBLY AS2889 ISSUE C
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AS2889		ROLL AND FRAME RH - DD700		
ITEM	PART NO	DESCRIPTION	QTY	
1	AS2441	AXLE ASSEMBLY - DD700 7 RINGS 3 OVEI	1	
2	AS2526	AXLE ASSEMBLY - DD700 8 RINGS 4 OVEI	1	
3	H00310086	CLAMP 50x50	14	
4	H00370030	BOLT M12x90 DOME SQ.	14	
5	P00003	BOLT M12x40 GR. 8.8	28	
6	P00012	BOLT M20x100 GR. 8.8	16	
7	P00071	NIPPLE - GREASE	4	
8	P00407	BOLT M20x80 GR. 8.8	8	
9	P02007	NUT LOCK M12	42	
10	P02009	NUT LOCK M20	24	
11	P02601	WASHER FLAT M12	14	
12	P02603	WASHER FLAT M20	48	
13	P02604	WASHER FLAT M24 Ø50	2	
14	P04179	WASHER FLAT M12 Ø38	56	
15	P05491	BOLT 1" UNFx4½" GR. V	1	
16	P05492	NUT LOCK 1" UNF	1	
17	P13403	SCRAPER STEM	4	
18	P13409	SCRAPER - NEW PRESS	12	
19	P13426	ROLL FRAME LEAF	4	
20	P13507	SCRAPER 1+1/2 NEW PRESS	2	
21	P13910	SCRAPER STEM	10	
22	P14355	LEAF MOUNT	4	
23	P14469	CLAMP PLATE	8	
24	P15362	ROLL FRAME RH	1	
25	P15373	ROLL FRAME LEAF	4	
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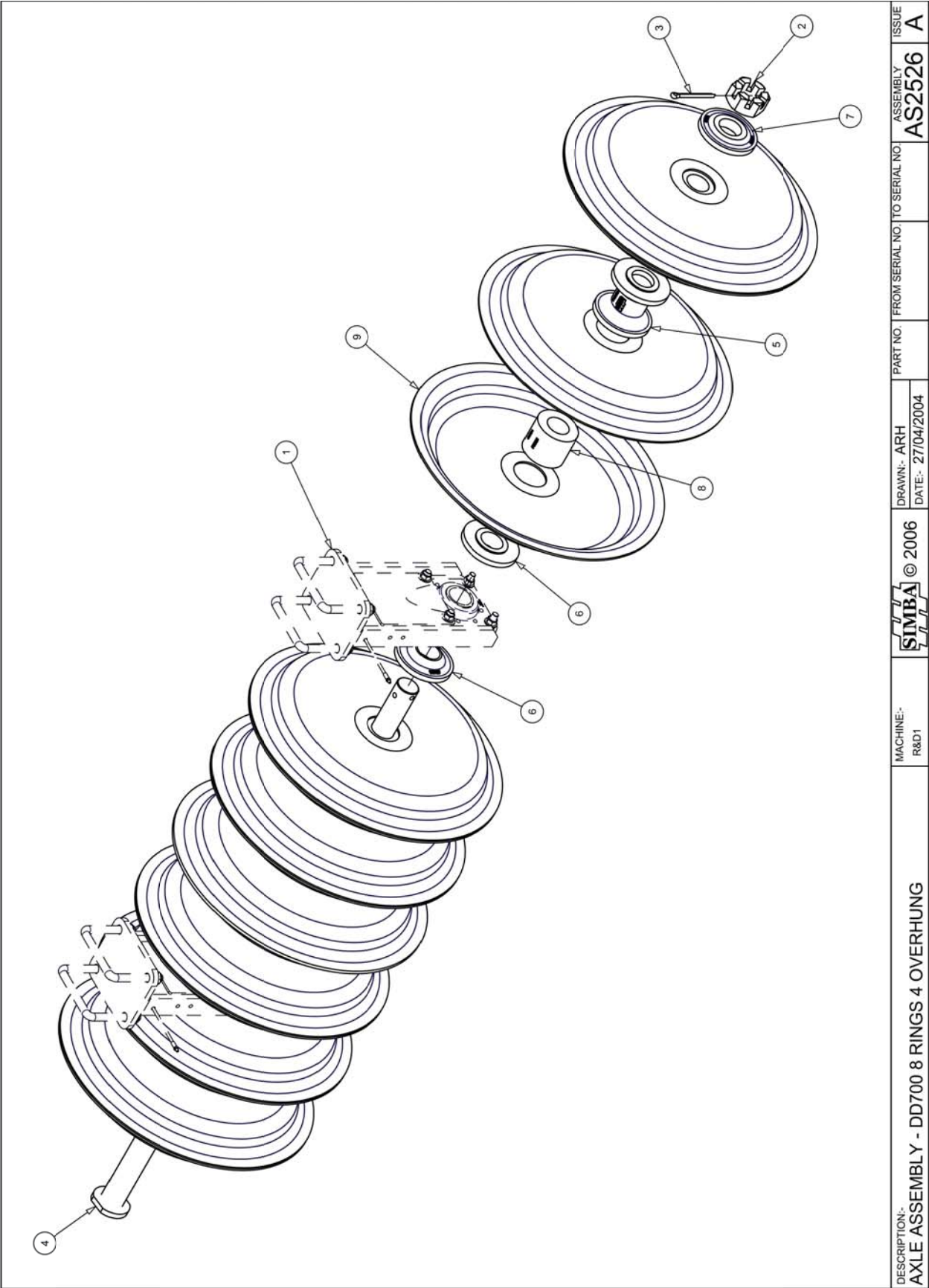


DESCRIPTION:- ROLL AND FRAME LH	MACHINE:- SL 700	 © 2007 DRAWN:- CAR DATE:- 05/02/2007	PART NO. FROM SERIAL NO. TO SERIAL NO. AS2887 ASSEMBLY ISSUE C
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AS2887		ROLL AND FRAME LH - DD700		
ITEM	PART NO	DESCRIPTION	QTY	
1	AS2441	AXLE ASSEMBLY - DD700 7 RINGS 3 OVEI	1	
2	AS2526	AXLE ASSEMBLY - DD700 8 RINGS 4 OVEI	1	
3	H00310086	CLAMP 50x50	14	
4	H00370030	BOLT M12x90 DOME SQ.	14	
5	P00003	BOLT M12x40 GR. 8.8	28	
6	P00012	BOLT M20x100 GR. 8.8	16	
7	P00071	NIPPLE - GREASE	4	
8	P00407	BOLT M20x80 GR. 8.8	8	
9	P02007	NUT LOCK M12	42	
10	P02009	NUT LOCK M20	24	
11	P02601	WASHER FLAT M12	14	
12	P02603	WASHER FLAT M20	48	
13	P02604	WASHER FLAT M24 Ø50	2	
14	P04179	WASHER FLAT M12 Ø38	56	
15	P05491	BOLT 1" UNFx4½" GR. V	1	
16	P05492	NUT LOCK 1" UNF	1	
17	P13403	SCRAPER STEM	4	
18	P13409	SCRAPER - NEW PRESS	12	
19	P13426	ROLL FRAME LEAF	4	
20	P13507	SCRAPER 1+1/2 NEW PRESS	2	
21	P13910	SCRAPER STEM	10	
22	P14355	LEAF MOUNT	4	
23	P14469	CLAMP PLATE	8	
24	P15359	ROLL FRAME LH	1	
25	P15373	ROLL FRAME LEAF	4	
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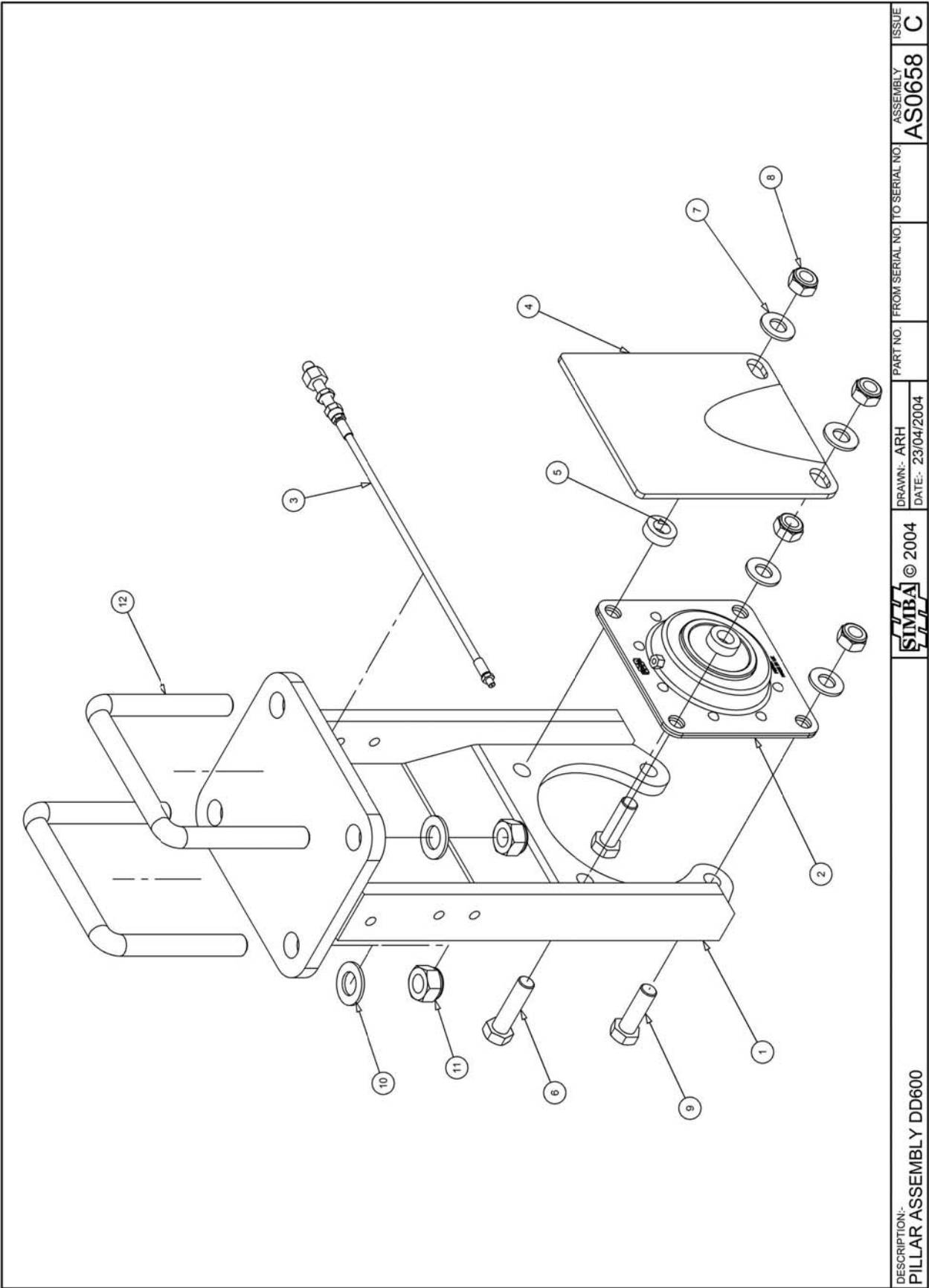


AS2441		AXLE - DD700 7 RINGS 3 OVERHUNG		
ITEM	PART NO	DESCRIPTION	QTY	
1	AS0658	PILLAR ASSEMBLY DD600	2	
2	P01698	NUT CASTLE M60	1	
3	P02489	PIN SPLIT Ø10x100	1	
4	P07729	AXLE Ø60x1623	1	
5	P08188	DD 600 - SPOOL	4	
6	P08189	DD 600 - BEARING SPOOL	4	
7	P08190	DD 600 - NUT SPOOL	2	
8	P08191	DD 600 - INTERNAL SPACER	7	
9	P08994	DD RING Ø700	14	
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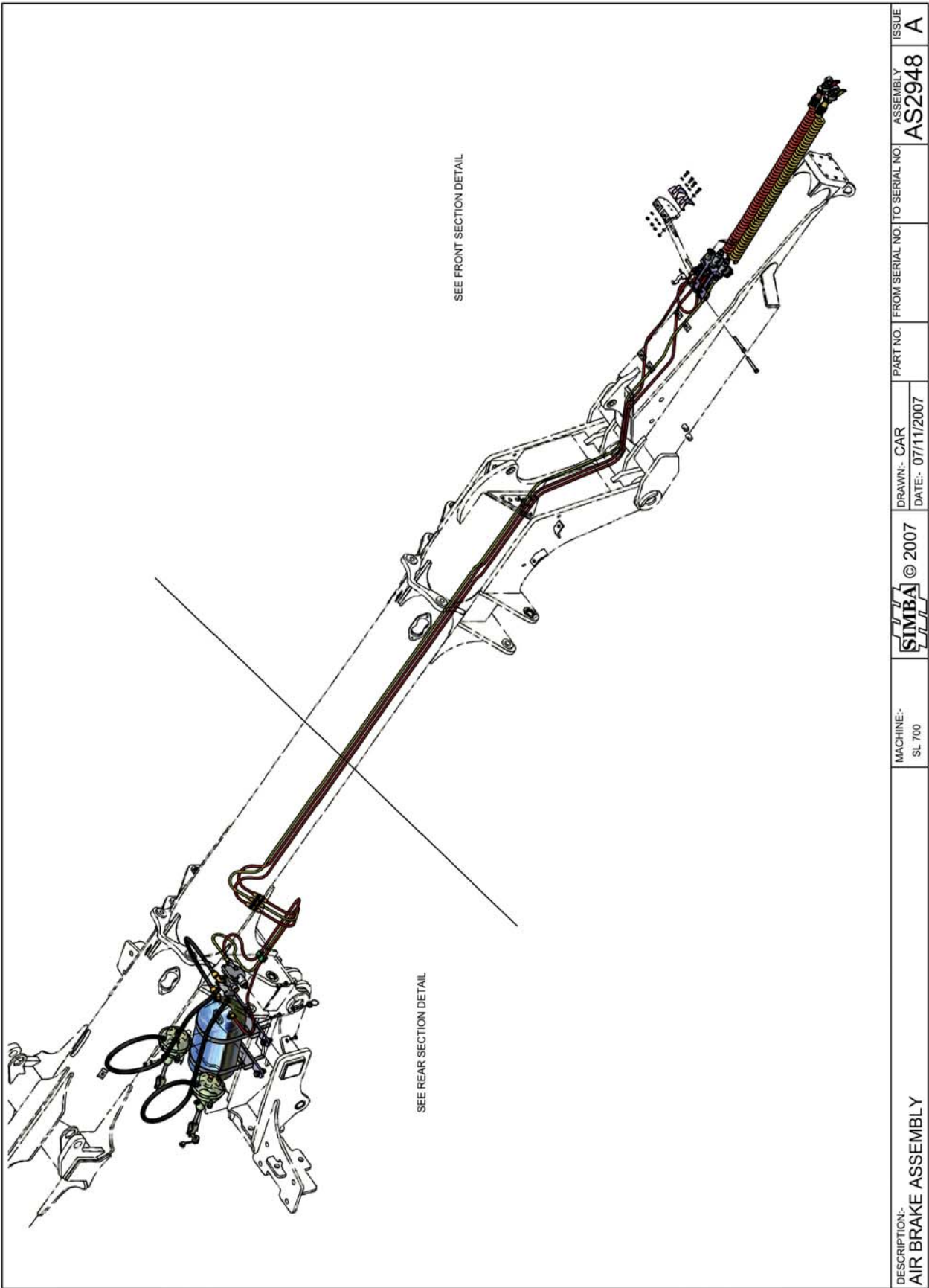


DESCRIPTION:-		MACHINE:-		DRAWN:- ARH		PART NO.		FROM SERIAL NO. TO SERIAL NO.		ASSEMBLY		ISSUE	
AXLE ASSEMBLY - DD700 8 RINGS 4 OVERHUNG		R&D1		DATE:- 27/04/2004						AS2526		A	

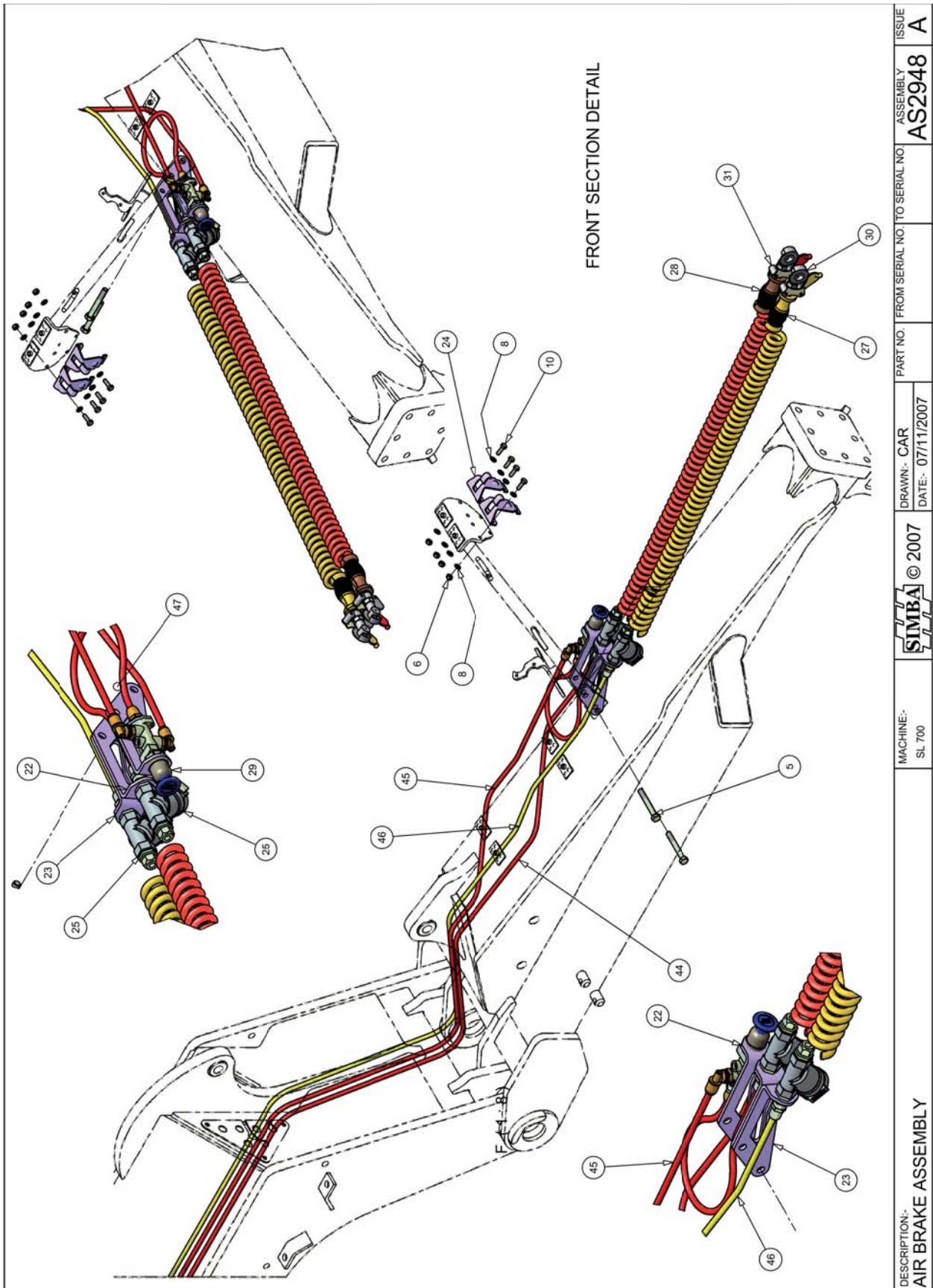
AS2526		AXLE DD700 8 RINGS 4 OVERHUNG			
ITEM	PART NO	DESCRIPTION	QTY	COMMENTS	
1	AS0658	PILLAR ASSEMBLY DD600	2		
2	P01698	NUT CASTLE M60	1		
3	P02489	PIN SPLIT Ø10x100	1		
4	P07730	AXLE Ø60x1837	1		
5	P08188	DD 600 - SPOOL	5		
6	P08189	DD 600 - BEARING SPOOL	4		
7	P08190	DD 600 - NUT SPOOL	2		
8	P08191	DD 600 - INTERNAL SPACER	8		
9	P08994	DD RING Ø700	16		
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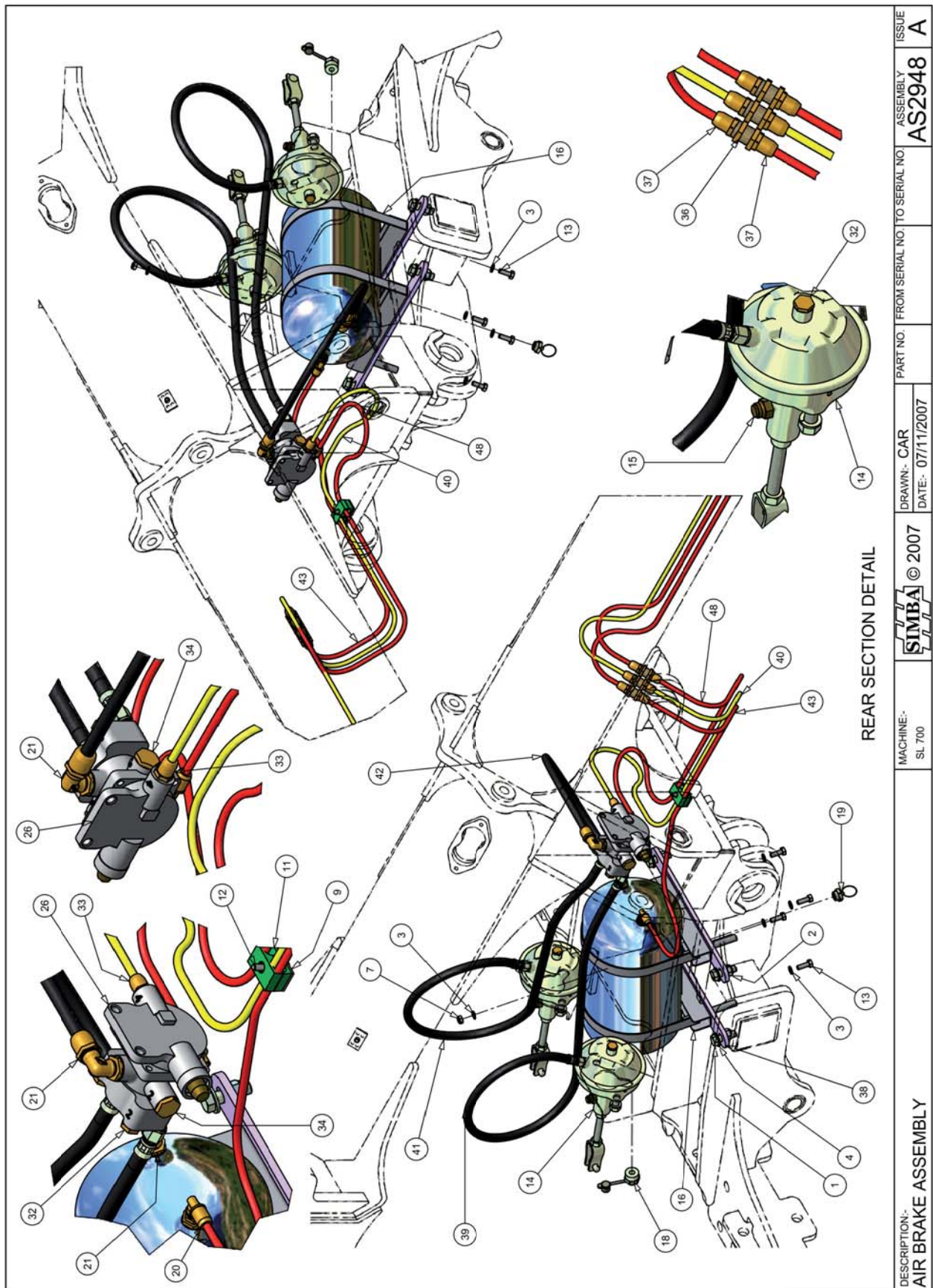
AS0658		PILLAR ASSEMBLY DD600 + 700		
ITEM	PART NO	DESCRIPTION	QTY	COMMENTS
1	P07696	PRESS ROLL PILLAR	1	
2	P05431	BEARING - PRESSED STEEL	1	
3	P08276	GREASE PIPE	1	
4	P08450	BEARING GUARD	1	
5	P08298	SPACER 10mm	2	
6	P00057	BOLT M16x60 GR. 8.8	2	
7	P02602	WASHER FLAT M16	4	
8	P02008	NUT LOCK M16	4	
9	P01704	BOLT M16x50 GR. 8.8	2	
10	P02603	WASHER FLAT M20	4	
11	P02009	NUT LOCK M20	4	
12	P01619	BOLT U M20 GR8.8 145x172	2	
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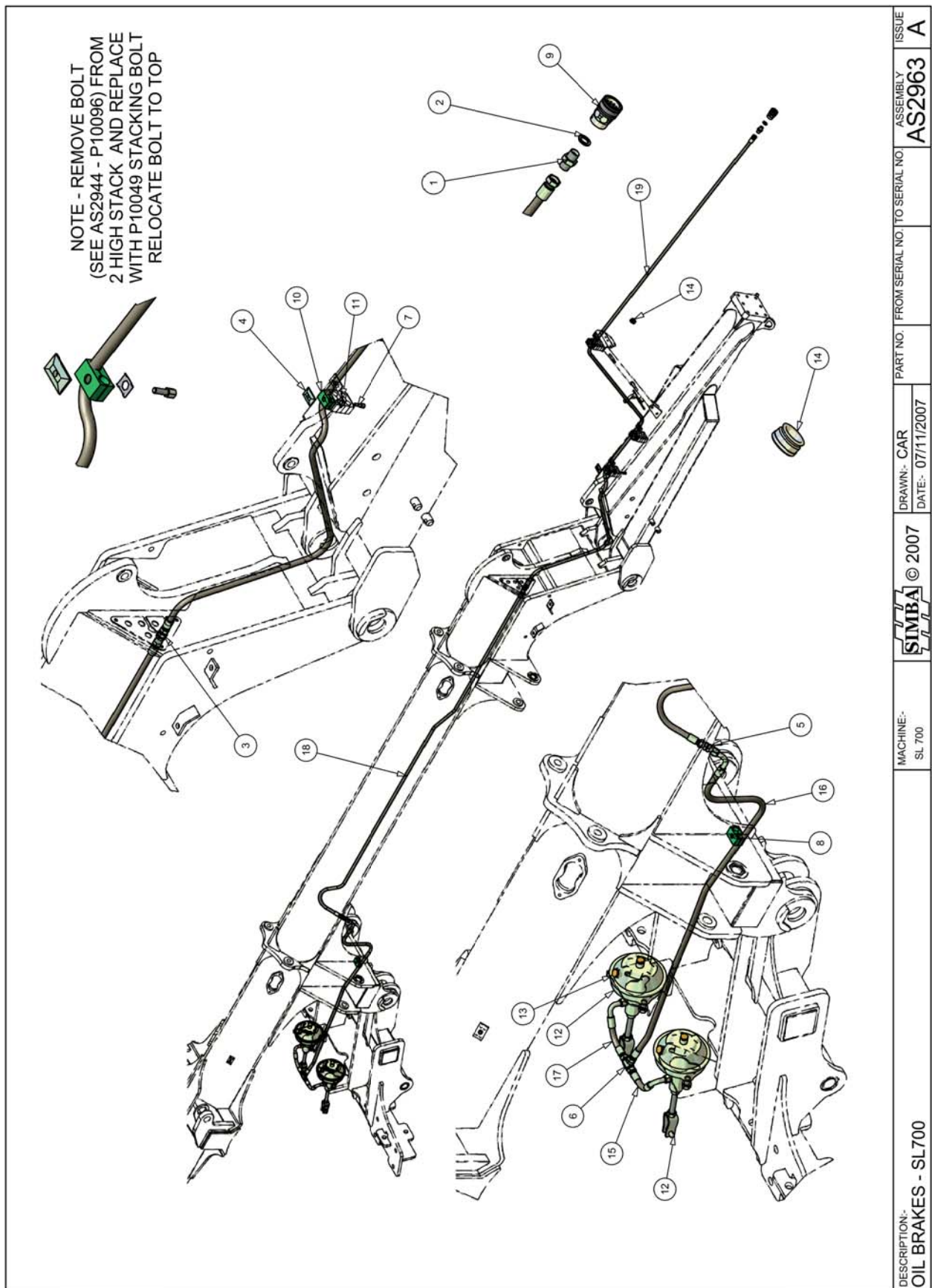
AS2948A		AIR BRAKE ASSEMBLY		
ITEM	PART NO	DESCRIPTION	QTY	
1	P01704	BOLT M16x50 GR8.8	4	
2	P02008	NUT LOCK M16	4	
3	P02600	WASHER FLAT M10	8	
4	P02602	WASHER FLAT M16	8	
5	P02652	BOLT M12x90 GR. 8.8	2	
6	P04754	NUT LOCK M8	4	
7	P05534	NUT LOCK M10	4	
8	P05535	WASHER FLAT M8	8	
9	P09142	CLAMP PLATE 1/4"	1	
10	P09597	BOLT M8x25 GR. 8.8	4	
11	P10231	CLAMP STAUFF 3/8" 2 HOSE	1	
12	P10278	BOLT M8x45 GR. 8.8	1	
13	P12690	BOLT M10x30 GR. 8.8	4	
14	P13248	BRAKE CHAMBER OIL/AIR	2	
15	P13733	BLANKING CAP 3/8"	2	
16	P14497	AIR TANK 20L	1	
17	P14540	DUST CAP	1	
18	P14541	AIR FITTING M/M	1	
19	P14542	AIR TANK DRAIN	1	
20	P14544	AIR HOSE FITTING M22	2	
21	P14547	AIR HOSE FITTING M22	2	
22	P15201	SHUNT VALVE MOUNT LH	2	
23	P15205	SHUNT VALVE MOUNT RH	1	
24	P15209	PALM COUPLER STOWAGE	2	
25	P15210	INLINE AIR FILTER	2	
26	P15214	RELAY-EMERGENCY VALVE	1	
27	P15222	YELLOW AIR LINE	1	
28	P15223	RED AIR LINE	1	
29	P15224	SHUNT VALVE	1	
30	P15225	PALM COUPLING	1	
31	P15226	PALM COUPLING	1	
32	P15503	BLANKING PLUG - M16	4	
33	P15506	STR FITTING - M16	1	
34	P15532	BLANKING PLUG	2	
35	P15533	M/F REDUCER - M22-M16	1	
36	P15749	AIR LINE BULKHEAD	3	
37	P15750	STR FITTING - M16	6	
38	P15838	AIR TANK MOUNTING	2	
39	P16181	FLEXIBLE AIR HOSE x 1350mm	1	
40	P16182	10mm YELLOW NYLON TUBING x 1450mm	1	
41	P16190	FLEXIBLE AIR HOSE x 1350mm	1	
42	P16189	16mm BLACK NYLON TUBING x 780mm	1	
43	P16183	10mm RED NYLON TUBING x 1400mm	1	
44	P16185	10mm RED NYLON TUBING x 4800mm	1	
45	P16187	10mm RED NYLON TUBING x 4900 mm	1	
46	P16186	10mm YELLOW NYLON TUBING x 5690mm	1	
47	P16188	10mm RED NYLON TUBING x 665mm	1	
48	P16184	10mm RED NYLON TUBING x 1385mm	1	
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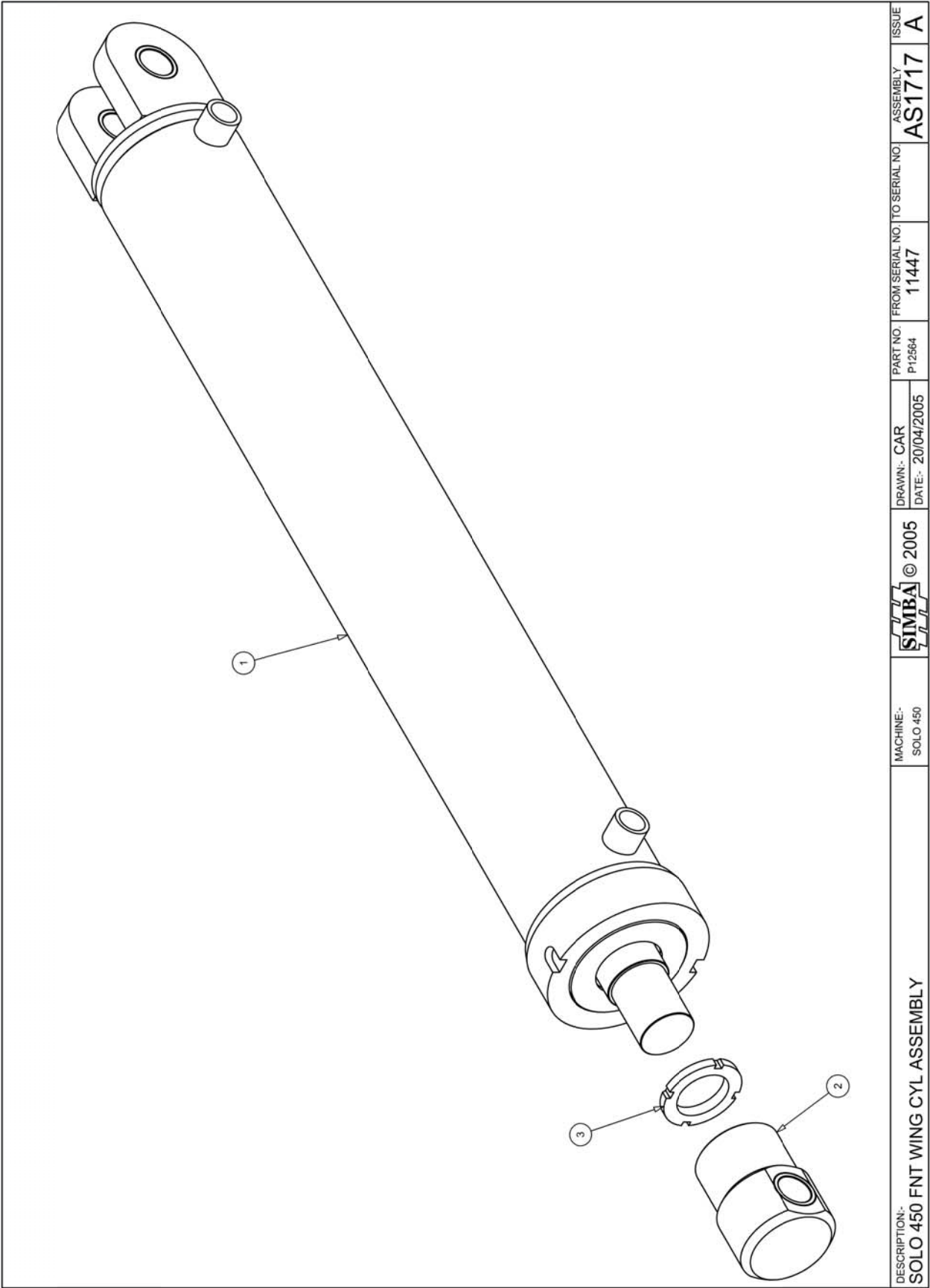
AS2948A		AIR BRAKE ASSEMBLY		
ITEM	PART NO	DESCRIPTION	QTY	
1	P01704	BOLT M16x50 GR8.8	4	
2	P02008	NUT LOCK M16	4	
3	P02600	WASHER FLAT M10	8	
4	P02602	WASHER FLAT M16	8	
5	P02652	BOLT M12x90 GR. 8.8	2	
6	P04754	NUT LOCK M8	4	
7	P05534	NUT LOCK M10	4	
8	P05535	WASHER FLAT M8	8	
9	P09142	CLAMP PLATE 1/4"	1	
10	P09597	BOLT M8x25 GR. 8.8	4	
11	P10231	CLAMP STAUFF 3/8" 2 HOSE	1	
12	P10278	BOLT M8x45 GR. 8.8	1	
13	P12690	BOLT M10x30 GR. 8.8	4	
14	P13248	BRAKE CHAMBER OIL/AIR	2	
15	P13733	BLANKING CAP 3/8"	2	
16	P14497	AIR TANK 20L	1	
17	P14540	DUST CAP	1	
18	P14541	AIR FITTING M/M	1	
19	P14542	AIR TANK DRAIN	1	
20	P14544	AIR HOSE FITTING M22	2	
21	P14547	AIR HOSE FITTING M22	2	
22	P15201	SHUNT VALVE MOUNT LH	2	
23	P15205	SHUNT VALVE MOUNT RH	1	
24	P15209	PALM COUPLER STOWAGE	2	
25	P15210	INLINE AIR FILTER	2	
26	P15214	RELAY-EMERGENCY VALVE	1	
27	P15222	YELLOW AIR LINE	1	
28	P15223	RED AIR LINE	1	
29	P15224	SHUNT VALVE	1	
30	P15225	PALM COUPLING	1	
31	P15226	PALM COUPLING	1	
32	P15503	BLANKING PLUG - M16	4	
33	P15506	STR FITTING - M16	1	
34	P15532	BLANKING PLUG	2	
35	P15533	M/F REDUCER - M22-M16	1	
36	P15749	AIR LINE BULKHEAD	3	
37	P15750	STR FITTING - M16	6	
38	P15838	AIR TANK MOUNTING	2	
39	P16181	FLEXIBLE AIR HOSE x 1350mm	1	
40	P16182	10mm YELLOW NYLON TUBING x 1450mm	1	
41	P16190	FLEXIBLE AIR HOSE x 1350mm	1	
42	P16189	16mm BLACK NYLON TUBING x 780mm	1	
43	P16183	10mm RED NYLON TUBING x 1400mm	1	
44	P16185	10mm RED NYLON TUBING x 4800mm	1	
45	P16187	10mm RED NYLON TUBING x 4900 mm	1	
46	P16186	10mm YELLOW NYLON TUBING x 5690mm	1	
47	P16188	10mm RED NYLON TUBING x 665mm	1	
48	P16184	10mm RED NYLON TUBING x 1385mm	1	
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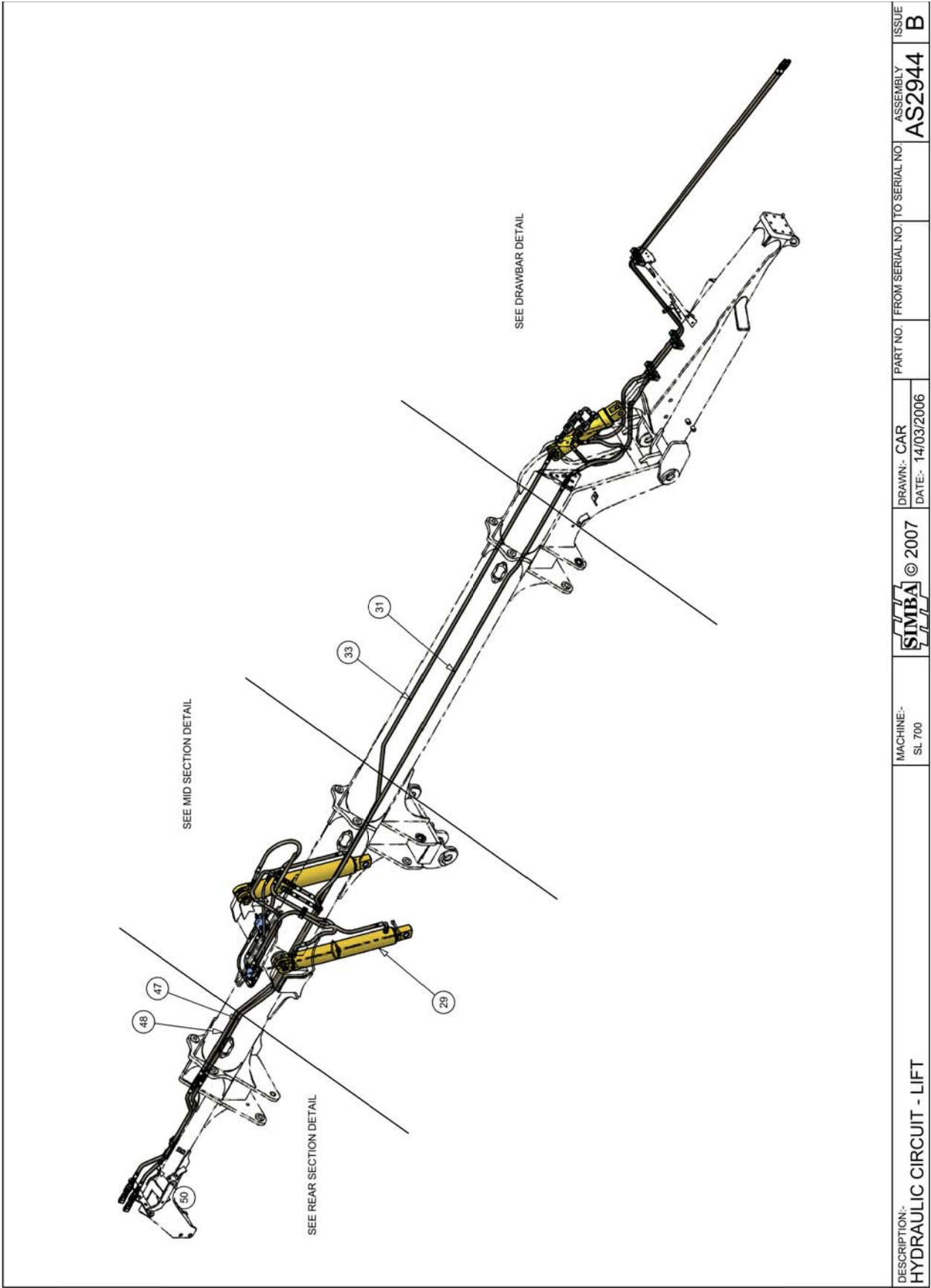
AS2948A		AIR BRAKE ASSEMBLY		
ITEM	PART NO	DESCRIPTION	QTY	
1	P01704	BOLT M16x50 GR8.8	4	
2	P02008	NUT LOCK M16	4	
3	P02600	WASHER FLAT M10	8	
4	P02602	WASHER FLAT M16	8	
5	P02652	BOLT M12x90 GR. 8.8	2	
6	P04754	NUT LOCK M8	4	
7	P05534	NUT LOCK M10	4	
8	P05535	WASHER FLAT M8	8	
9	P09142	CLAMP PLATE 1/4"	1	
10	P09597	BOLT M8x25 GR. 8.8	4	
11	P10231	CLAMP STAUFF 3/8" 2 HOSE	1	
12	P10278	BOLT M8x45 GR. 8.8	1	
13	P12690	BOLT M10x30 GR. 8.8	4	
14	P13248	BRAKE CHAMBER OIL/AIR	2	
15	P13733	BLANKING CAP 3/8"	2	
16	P14497	AIR TANK 20L	1	
17	P14540	DUST CAP	1	
18	P14541	AIR FITTING M/M	1	
19	P14542	AIR TANK DRAIN	1	
20	P14544	AIR HOSE FITTING M22	2	
21	P14547	AIR HOSE FITTING M22	2	
22	P15201	SHUNT VALVE MOUNT LH	2	
23	P15205	SHUNT VALVE MOUNT RH	1	
24	P15209	PALM COUPLER STOWAGE	2	
25	P15210	INLINE AIR FILTER	2	
26	P15214	RELAY-EMERGENCY VALVE	1	
27	P15222	YELLOW AIR LINE	1	
28	P15223	RED AIR LINE	1	
29	P15224	SHUNT VALVE	1	
30	P15225	PALM COUPLING	1	
31	P15226	PALM COUPLING	1	
32	P15503	BLANKING PLUG - M16	4	
33	P15506	STR FITTING - M16	1	
34	P15532	BLANKING PLUG	2	
35	P15533	M/F REDUCER - M22-M16	1	
36	P15749	AIR LINE BULKHEAD	3	
37	P15750	STR FITTING - M16	6	
38	P15838	AIR TANK MOUNTING	2	
39	P16181	FLEXIBLE AIR HOSE x 1350mm	1	
40	P16182	10mm YELLOW NYLON TUBING x 1450mm	1	
41	P16190	FLEXIBLE AIR HOSE x 1350mm	1	
42	P16189	16mm BLACK NYLON TUBING x 780mm	1	
43	P16183	10mm RED NYLON TUBING x 1400mm	1	
44	P16185	10mm RED NYLON TUBING x 4800mm	1	
45	P16187	10mm RED NYLON TUBING x 4900 mm	1	
46	P16186	10mm YELLOW NYLON TUBING x 5690mm	1	
47	P16188	10mm RED NYLON TUBING x 665mm	1	
48	P16184	10mm RED NYLON TUBING x 1385mm	1	
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AS2963		OIL BRAKES - SL700		
ITEM	PART NO	DESCRIPTION	QTY	
1	P00203	ADAPTOR MALE-MALE ½" BSP	1	
2	P02263	DOWTY SEAL ½" BSP	1	
3	P02735	BULKHEAD ½" BSP	1	
4	P09142	CLAMP PLATE ¼"	4	
5	P09316	3/8" BSP BULKHEAD	1	
6	P09318	T ADAPTOR 3/8" BSP	1	
7	P10049	BOLT M8x25 STAUFF STACK	3	
8	P10096	BOLT M8x35 GR. 8.8	1	
9	P10128	QRC - BRAKE	1	
10	P10231	CLAMP STAUFF 3/8" 2 HOSE	4	
11	P10234	LOCK CLIP	3	
12	P13248	BRAKE CHAMBER OIL/AIR	2	
13	P15503	BLAMKING PLUG - M16	4	
14	P15925	BRAKE QRC STOWAGE	1	
15	P16176	HA-3/8"X200MM	1	
16	P16177	HA-3/8"X1700MM	1	
17	P16178	HA-3/8"X200MM	1	
18	P16179	HA-3/8"X3100MM	1	
19	P16180	HA-3/8"X4800MM	1	
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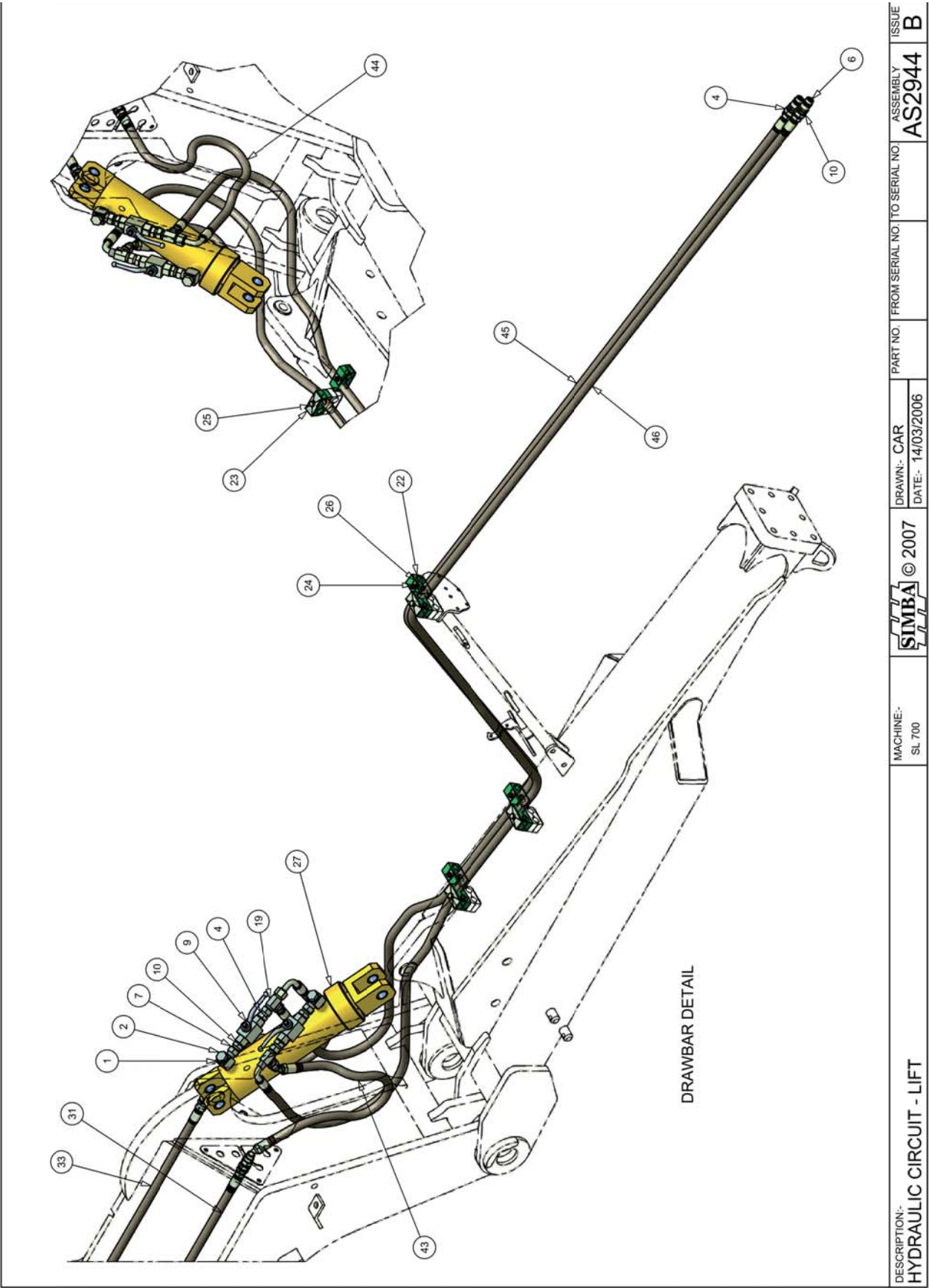


AS1717		SOLO 450 FNT WING CYL ASSEMBLY		
ITEM	PART NO	DESCRIPTION	QTY	COMMENTS
1	P12229	CYL - BODY ONLY	1	
2	P12566	ROD END - FRONT	1	
3	P12568	LOCK RING	1	
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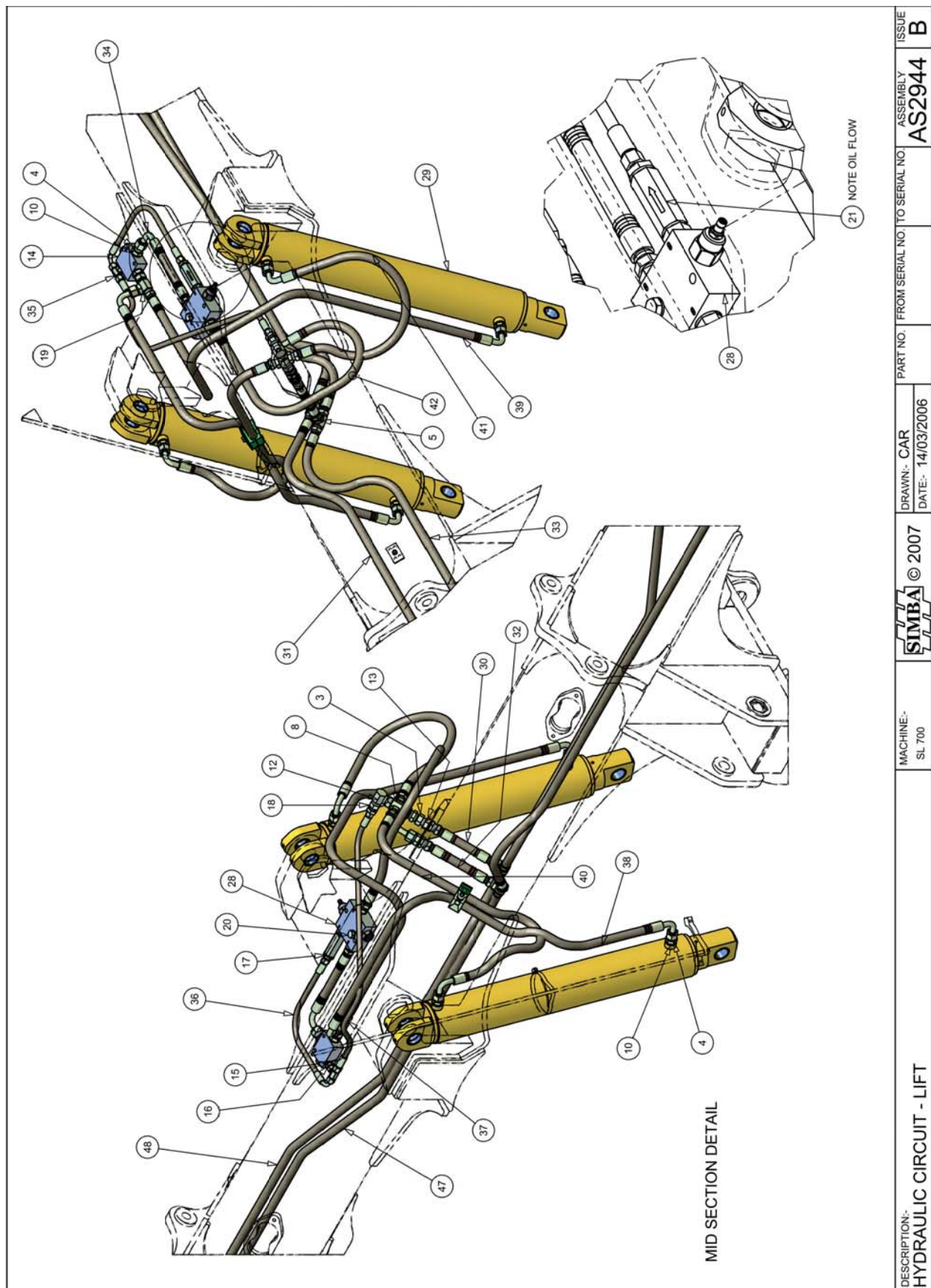


DESCRIPTION:- HYDRAULIC CIRCUIT - LIFT	MACHINE:- SL 700	SIMBA © 2007	DRAWN:- CAR DATE:- 14/03/2006	PART NO.	FROM SERIAL NO.	TO SERIAL NO.	ASSEMBLY AS2944	ISSUE B

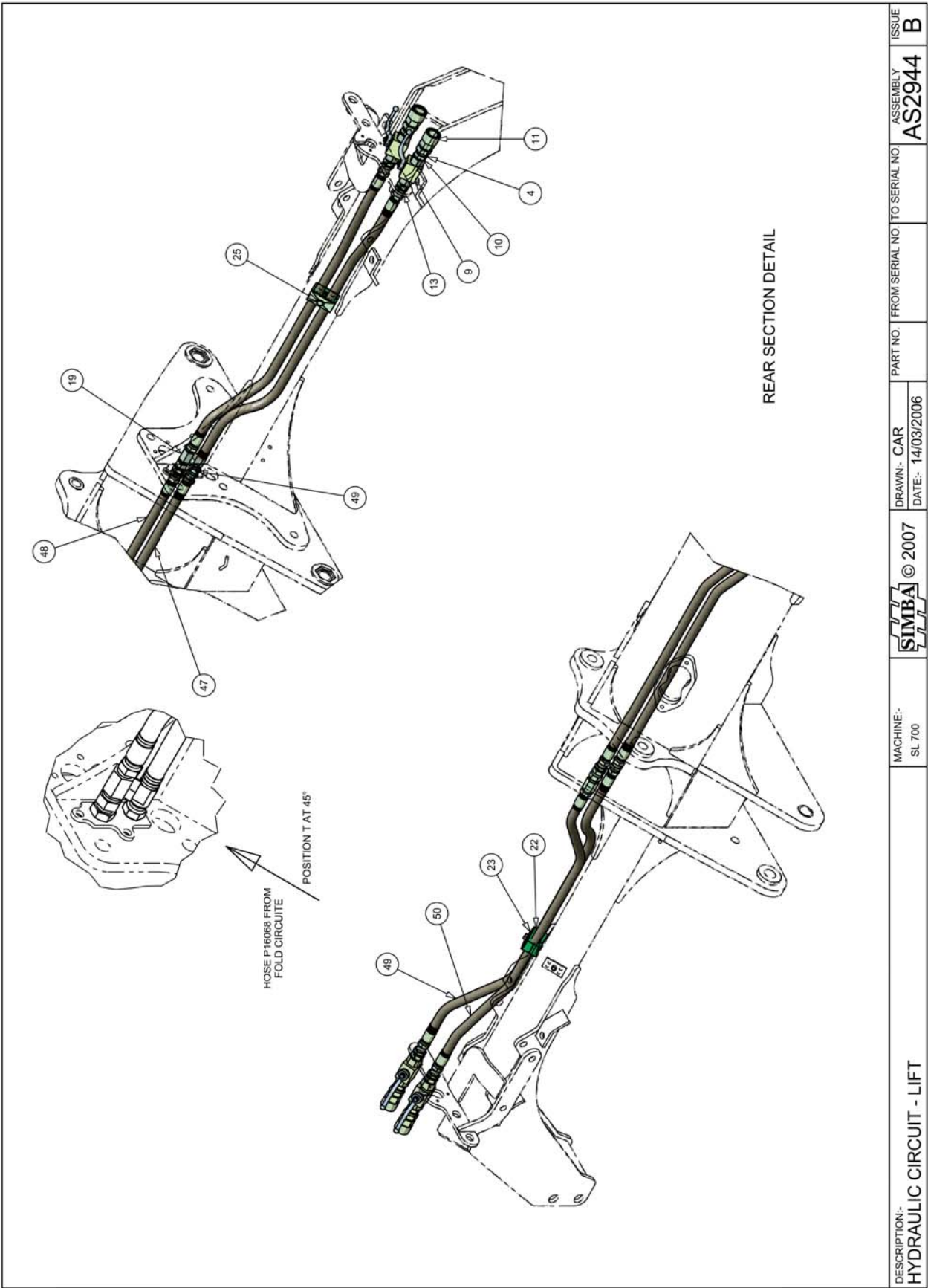
AS2944		HYDRAULIC CIRCUIT - LIFT		
ITEM	PART NO	DESCRIPTION	QTY	
1	P00200	BANJO BLOCK ½" BSP	2	
2	P00201	BANJO BOLT ½" BSP	2	
3	P00202	ADAPTOR FEM - FEM ½" BSP	1	
4	P00203	ADAPTOR MALE-MALE ½" BSP	15	
5	P00204	ADAPTOR T ½" BSP	2	
6	P00205	QUICK RELEASE MALE - ½" BSP	2	
7	P00206	ADAPTOR MALE-FEM ½" BSP	2	
8	P00209	ADAPTOR 4 WAY ½" BSP	1	
9	P00774	SHUT OFF TAP ½" BSP	4	
10	P02263	DOWTY SEAL ½" BSP	27	
11	P02730	QUICK RELEASE FEM. ½" BSP	2	
12	P02734	ELBOW MALE-FEM COMPACT ½" BSP	1	
13	P02735	BULKHEAD ½" BSP	7	
14	P02740	PILOT TO OPEN CHECK VALVE	1	
15	P02741	DOWTY SEAL ¼" BSP	2	
16	P02881	ADAPTOR MALE-MALE ¼" BSP	1	
17	P03685	ADAPTOR M½"-M¼" BSP	1	
18	P03688	ADAPTOR FEM ½" - MALE ¼" BSP	1	
19	P06216	ADAPTOR T SFOR ½" BSP	4	
20	P06268	BLANKING PLUG - 1/4" BSP	1	
21	P06720	CHECK VALVE 1/2"BSP - 5 BAR	1	
22	P09112	CLAMP ½" BSP PAIR	8	
23	P09113	CLAMP - TOP PLATE	5	
24	P10049	BOLT M8x25 STAUFF STACK	3	
25	P10096	BOLT M8x35 GR. 8.8	5	
26	P10234	LOCK CLIP	3	
27	P12784	CYLINDER - Ø90x229 - 45	1	
28	P13552	PRESS REDUCING VALVE	1	
29	P15244	CYLINDER Ø100x637 - Ø60	2	
30	P16078	HK-1/2"X260MM	1	
31	P16111	HA-1/2"X4300MM	1	
32	P16112	HK-1/2"X260MM	1	
33	P16113	HK-1/2"X4800MM	1	
34	P16117	HA-1/2"X260MM	1	
35	P16118	ADAPTOR T ¼" BSP SFOE	1	
36	P16119	HA-1/2"X430MM	1	
37	P16120	HA-1/4"X750MM	1	
38	P16121	HA-1/2"X1300MM	1	
39	P16123	HA-1/2"X260MM	1	
40	P16124	HA-1/2"X870MM	1	
41	P16125	HA-1/2"X650MM	1	
42	P16126	HA-1/2"X1050MM	1	
43	P16127	HA-1/2"X600MM	1	
44	P16128	HA-1/2"X600MM	1	
45	P16129	HA-1/2"X4600MM	1	
46	P16130	HA-1/2"X4600MM	1	
47	P16131	HA-1/2"X1800MM	1	
48	P16132	HA-1/2"X1800MM	1	
49	P16133	HA-1/2"X1050MM	1	
50	P16144	HA-1/2"X970MM	1	



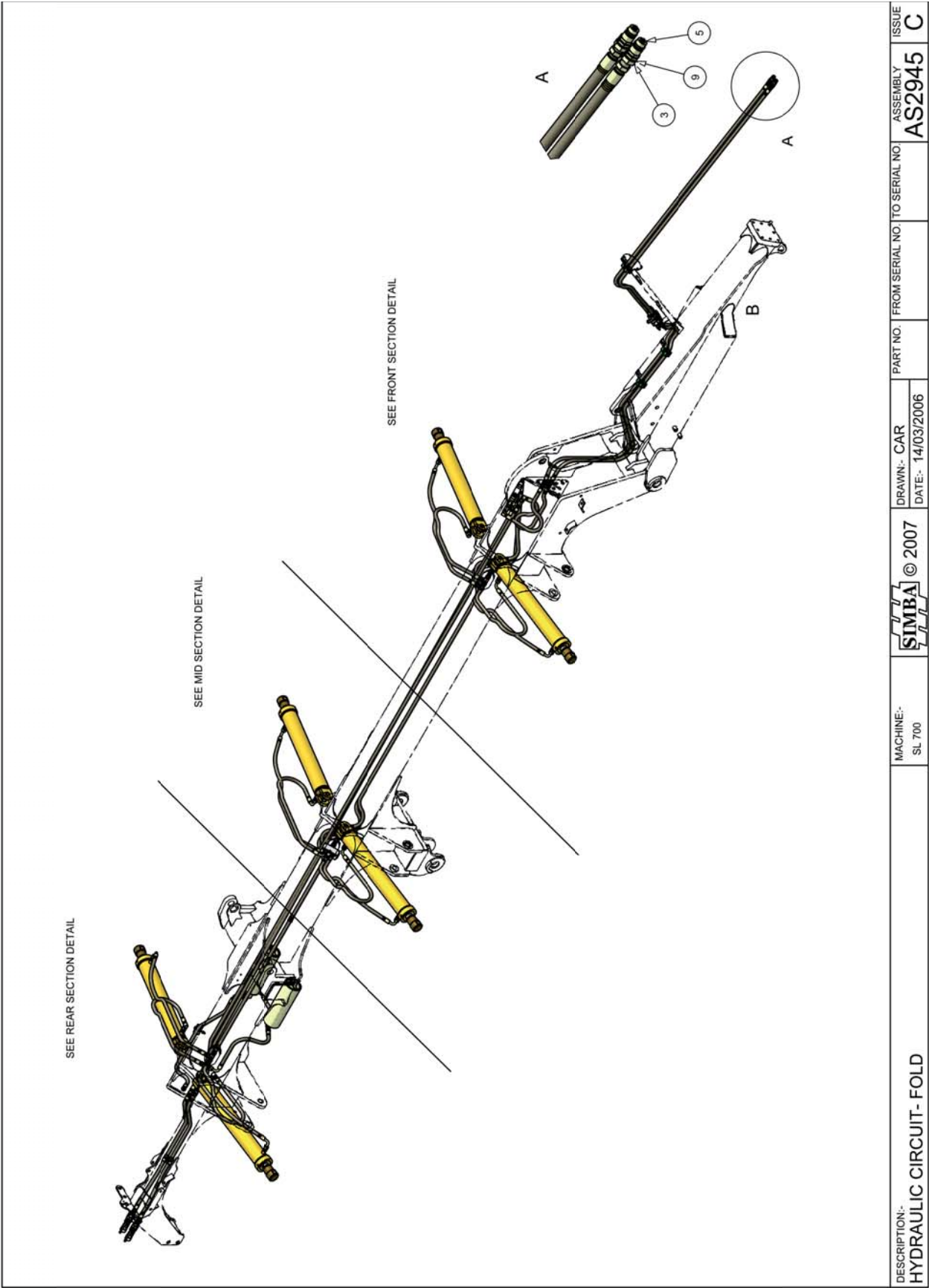
AS2944		HYDRAULIC CIRCUIT - LIFT		
ITEM	PART NO	DESCRIPTION	QTY	
1	P00200	BANJO BLOCK ½" BSP	2	
2	P00201	BANJO BOLT ½" BSP	2	
3	P00202	ADAPTOR FEM - FEM ½" BSP	1	
4	P00203	ADAPTOR MALE-MALE ½" BSP	15	
5	P00204	ADAPTOR T ½" BSP	2	
6	P00205	QUICK RELEASE MALE - ½" BSP	2	
7	P00206	ADAPTOR MALE-FEM ½" BSP	2	
8	P00209	ADAPTOR 4 WAY ½" BSP	1	
9	P00774	SHUT OFF TAP ½" BSP	4	
10	P02263	DOWTY SEAL ½" BSP	27	
11	P02730	QUICK RELEASE FEM. ½" BSP	2	
12	P02734	ELBOW MALE-FEM COMPACT ½" BSP	1	
13	P02735	BULKHEAD ½" BSP	7	
14	P02740	PILOT TO OPEN CHECK VALVE	1	
15	P02741	DOWTY SEAL ¼" BSP	2	
16	P02881	ADAPTOR MALE-MALE ¼" BSP	1	
17	P03685	ADAPTOR M½"-M¼" BSP	1	
18	P03688	ADAPTOR FEM ½" - MALE ¼" BSP	1	
19	P06216	ADAPTOR T SFOR ½" BSP	4	
20	P06268	BLANKING PLUG - 1/4" BSP	1	
21	P06720	CHECK VALVE 1/2"BSP - 5 BAR	1	
22	P09112	CLAMP ½" BSP PAIR	8	
23	P09113	CLAMP - TOP PLATE	5	
24	P10049	BOLT M8x25 STAUFF STACK	3	
25	P10096	BOLT M8x35 GR. 8.8	5	
26	P10234	LOCK CLIP	3	
27	P12784	CYLINDER - Ø90x229 - 45	1	
28	P13552	PRESS REDUCING VALVE	1	
29	P15244	CYLINDER Ø100x637 - Ø60	2	
30	P16078	HK-1/2"X260MM	1	
31	P16111	HA-1/2"X4300MM	1	
32	P16112	HK-1/2"X260MM	1	
33	P16113	HK-1/2"X4800MM	1	
34	P16117	HA-1/2"X260MM	1	
35	P16118	ADAPTOR T ¼" BSP SFOE	1	
36	P16119	HA-1/2"X430MM	1	
37	P16120	HA-1/4"X750MM	1	
38	P16121	HA-1/2"X1300MM	1	
39	P16123	HA-1/2"X260MM	1	
40	P16124	HA-1/2"X870MM	1	
41	P16125	HA-1/2"X650MM	1	
42	P16126	HA-1/2"X1050MM	1	
43	P16127	HA-1/2"X600MM	1	
44	P16128	HA-1/2"X600MM	1	
45	P16129	HA-1/2"X4600MM	1	
46	P16130	HA-1/2"X4600MM	1	
47	P16131	HA-1/2"X1800MM	1	
48	P16132	HA-1/2"X1800MM	1	
49	P16133	HA-1/2"X1050MM	1	
50	P16144	HA-1/2"X970MM	1	



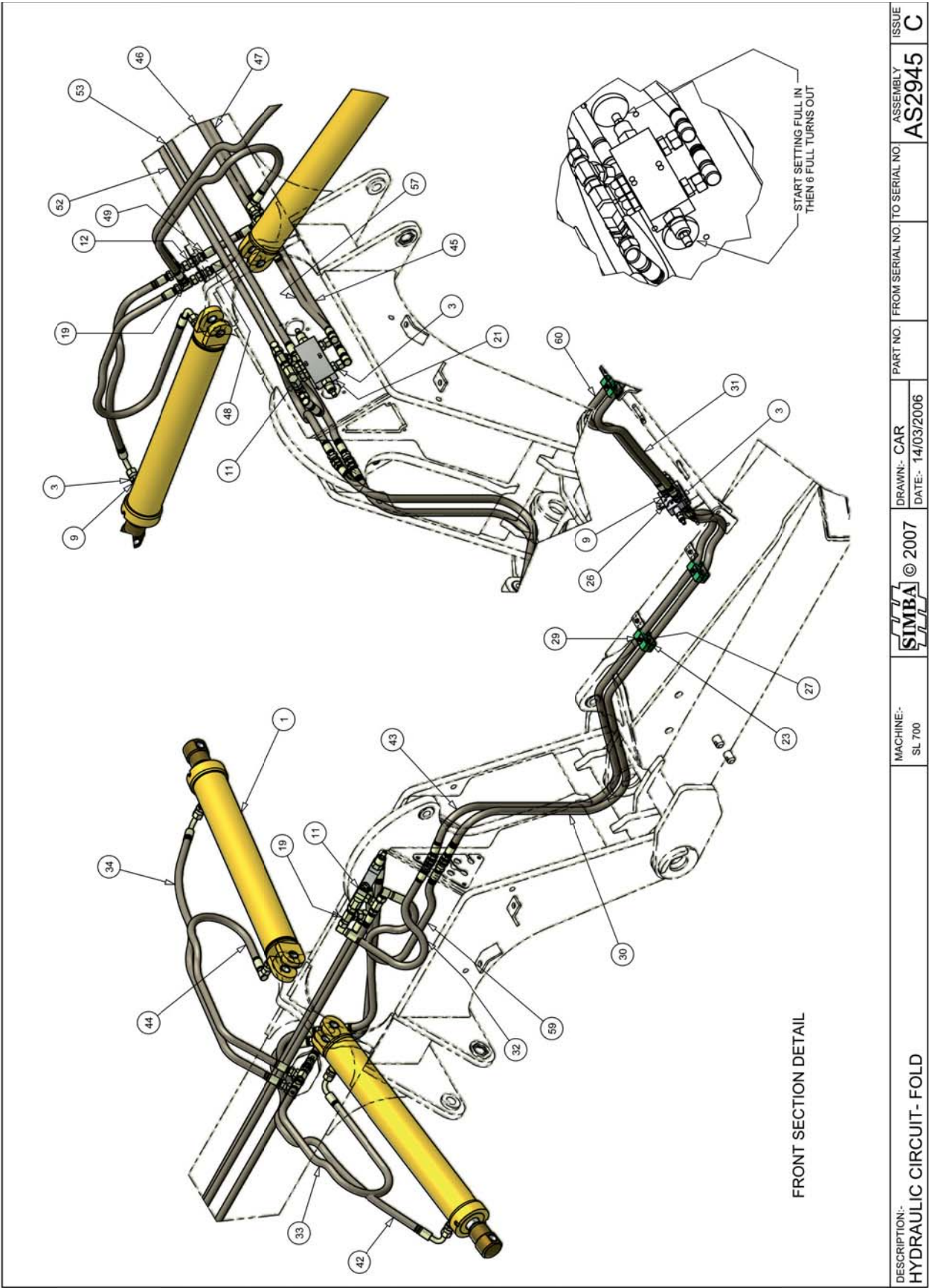
AS2944		HYDRAULIC CIRCUIT - LIFT		
ITEM	PART NO	DESCRIPTION	QTY	
1	P00200	BANJO BLOCK ½" BSP	2	
2	P00201	BANJO BOLT ½" BSP	2	
3	P00202	ADAPTOR FEM - FEM ½" BSP	1	
4	P00203	ADAPTOR MALE-MALE ½" BSP	15	
5	P00204	ADAPTOR T ½" BSP	2	
6	P00205	QUICK RELEASE MALE - ½" BSP	2	
7	P00206	ADAPTOR MALE-FEM ½" BSP	2	
8	P00209	ADAPTOR 4 WAY ½" BSP	1	
9	P00774	SHUT OFF TAP ½" BSP	4	
10	P02263	DOWTY SEAL ½" BSP	27	
11	P02730	QUICK RELEASE FEM. ½" BSP	2	
12	P02734	ELBOW MALE-FEM COMPACT ½" BSP	1	
13	P02735	BULKHEAD ½" BSP	7	
14	P02740	PILOT TO OPEN CHECK VALVE	1	
15	P02741	DOWTY SEAL ¼" BSP	2	
16	P02881	ADAPTOR MALE-MALE ¼" BSP	1	
17	P03685	ADAPTOR M½"-M¼" BSP	1	
18	P03688	ADAPTOR FEM ½" - MALE ¼" BSP	1	
19	P06216	ADAPTOR T SFOR ½" BSP	4	
20	P06268	BLANKING PLUG - 1/4" BSP	1	
21	P06720	CHECK VALVE 1/2"BSP - 5 BAR	1	
22	P09112	CLAMP ½" BSP PAIR	8	
23	P09113	CLAMP - TOP PLATE	5	
24	P10049	BOLT M8x25 STAUFF STACK	3	
25	P10096	BOLT M8x35 GR. 8.8	5	
26	P10234	LOCK CLIP	3	
27	P12784	CYLINDER - Ø90x229 - 45	1	
28	P13552	PRESS REDUCING VALVE	1	
29	P15244	CYLINDER Ø100x637 - Ø60	2	
30	P16078	HK-1/2"X260MM	1	
31	P16111	HA-1/2"X4300MM	1	
32	P16112	HK-1/2"X260MM	1	
33	P16113	HK-1/2"X4800MM	1	
34	P16117	HA-1/2"X260MM	1	
35	P16118	ADAPTOR T ¼" BSP SFOE	1	
36	P16119	HA-1/2"X430MM	1	
37	P16120	HA-1/4"X750MM	1	
38	P16121	HA-1/2"X1300MM	1	
39	P16123	HA-1/2"X260MM	1	
40	P16124	HA-1/2"X870MM	1	
41	P16125	HA-1/2"X650MM	1	
42	P16126	HA-1/2"X1050MM	1	
43	P16127	HA-1/2"X600MM	1	
44	P16128	HA-1/2"X600MM	1	
45	P16129	HA-1/2"X4600MM	1	
46	P16130	HA-1/2"X4600MM	1	
47	P16131	HA-1/2"X1800MM	1	
48	P16132	HA-1/2"X1800MM	1	
49	P16133	HA-1/2"X1050MM	1	
50	P16144	HA-1/2"X970MM	1	



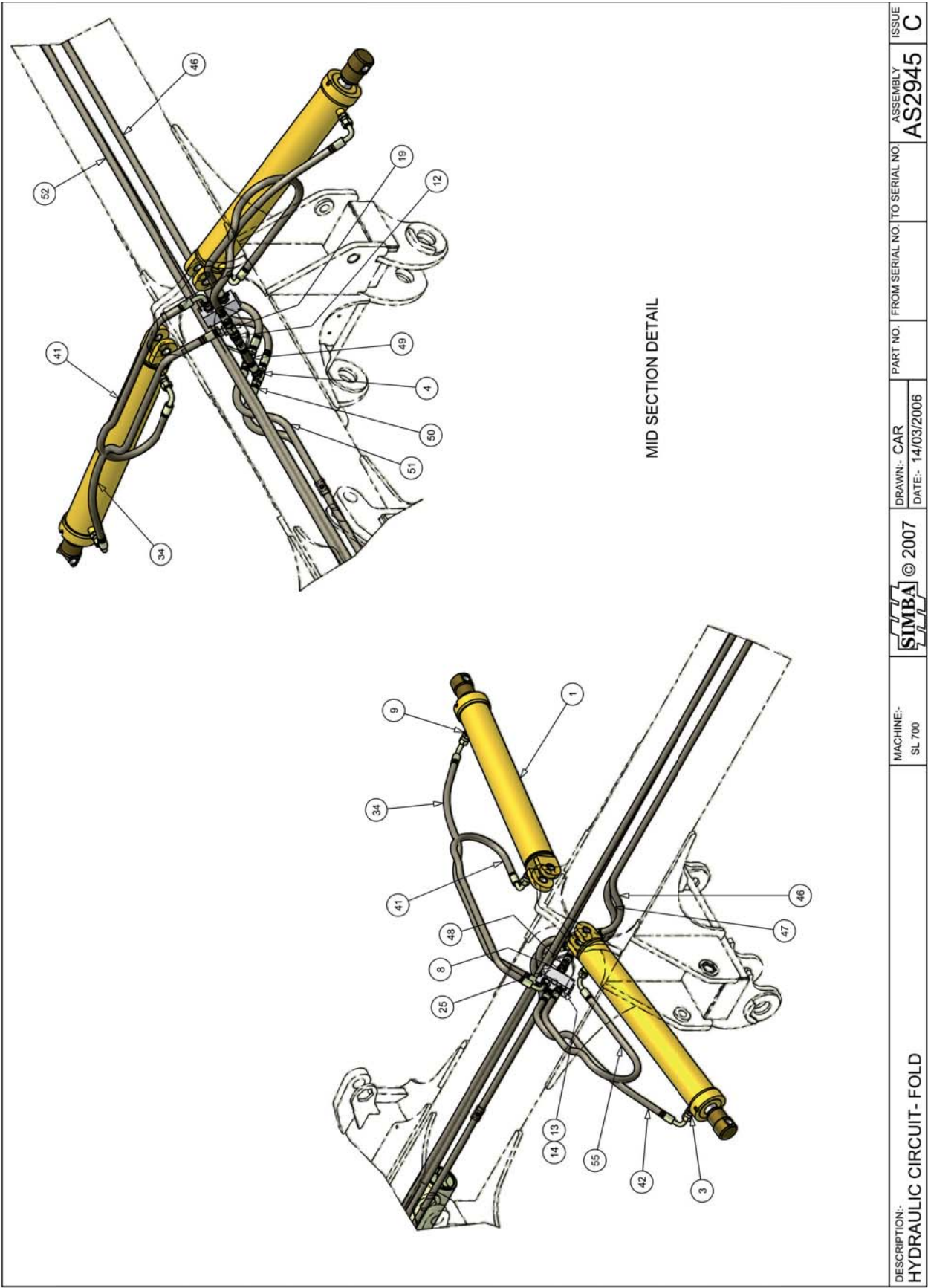
AS2944		HYDRAULIC CIRCUIT - LIFT		
ITEM	PART NO	DESCRIPTION	QTY	
1	P00200	BANJO BLOCK ½" BSP	2	
2	P00201	BANJO BOLT ½" BSP	2	
3	P00202	ADAPTOR FEM - FEM ½" BSP	1	
4	P00203	ADAPTOR MALE-MALE ½" BSP	15	
5	P00204	ADAPTOR T ½" BSP	2	
6	P00205	QUICK RELEASE MALE - ½" BSP	2	
7	P00206	ADAPTOR MALE-FEM ½" BSP	2	
8	P00209	ADAPTOR 4 WAY ½" BSP	1	
9	P00774	SHUT OFF TAP ½" BSP	4	
10	P02263	DOWTY SEAL ½" BSP	27	
11	P02730	QUICK RELEASE FEM. ½" BSP	2	
12	P02734	ELBOW MALE-FEM COMPACT ½" BSP	1	
13	P02735	BULKHEAD ½" BSP	7	
14	P02740	PILOT TO OPEN CHECK VALVE	1	
15	P02741	DOWTY SEAL ¼" BSP	2	
16	P02881	ADAPTOR MALE-MALE ¼" BSP	1	
17	P03685	ADAPTOR M½"-M¼" BSP	1	
18	P03688	ADAPTOR FEM ½" - MALE ¼" BSP	1	
19	P06216	ADAPTOR T SFOR ½" BSP	4	
20	P06268	BLANKING PLUG - 1/4" BSP	1	
21	P06720	CHECK VALVE 1/2"BSP - 5 BAR	1	
22	P09112	CLAMP ½" BSP PAIR	8	
23	P09113	CLAMP - TOP PLATE	5	
24	P10049	BOLT M8x25 STAUFF STACK	3	
25	P10096	BOLT M8x35 GR. 8.8	5	
26	P10234	LOCK CLIP	3	
27	P12784	CYLINDER - Ø90x229 - 45	1	
28	P13552	PRESS REDUCING VALVE	1	
29	P15244	CYLINDER Ø100x637 - Ø60	2	
30	P16078	HK-1/2"X260MM	1	
31	P16111	HA-1/2"X4300MM	1	
32	P16112	HK-1/2"X260MM	1	
33	P16113	HK-1/2"X4800MM	1	
34	P16117	HA-1/2"X260MM	1	
35	P16118	ADAPTOR T ¼" BSP SFOE	1	
36	P16119	HA-1/2"X430MM	1	
37	P16120	HA-1/4"X750MM	1	
38	P16121	HA-1/2"X1300MM	1	
39	P16123	HA-1/2"X260MM	1	
40	P16124	HA-1/2"X870MM	1	
41	P16125	HA-1/2"X650MM	1	
42	P16126	HA-1/2"X1050MM	1	
43	P16127	HA-1/2"X600MM	1	
44	P16128	HA-1/2"X600MM	1	
45	P16129	HA-1/2"X4600MM	1	
46	P16130	HA-1/2"X4600MM	1	
47	P16131	HA-1/2"X1800MM	1	
48	P16132	HA-1/2"X1800MM	1	
49	P16133	HA-1/2"X1050MM	1	
50	P16144	HA-1/2"X970MM	1	



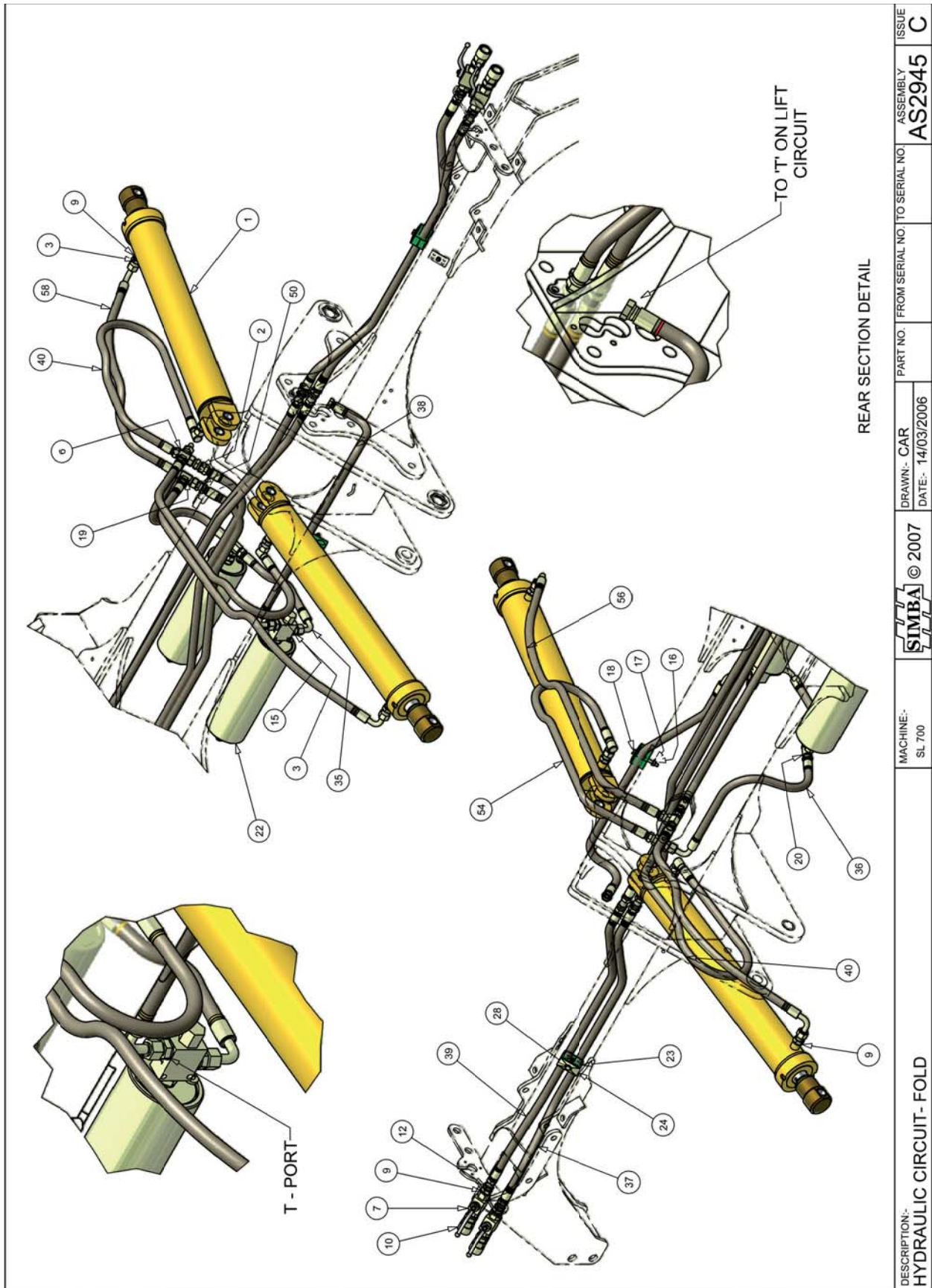
AS2945		HYDRAULIC CIRCUIT- FOLD		
ITEM	PART NO	DESCRIPTION	QTY	
1	AS1717	SOLO 450 FNT WING CYL ASSEMBLY	6	
2	P00202	ADAPTOR FEM - FEM 1/2" BSP	1	
3	P00203	ADAPTOR MALE-MALE 1/2" BSP	26	
4	P00204	ADAPTOR T 1/2" BSP	4	
5	P00205	QUICK RELEASE MALE - 1/2" BSP	2	
6	P00209	ADAPTOR 4 WAY 1/2" BSP	1	
7	P00774	SHUT OFF TAP 1/2" BSP	2	
8	P01796	M3/8"-F1/2"	1	
9	P02263	DOWTY SEAL 1/2" BSP	31	
10	P02730	QUICK RELEASE FEM. 1/2" BSP	2	
11	P02734	ELBOW MALE-FEM COMPACT 1/2" BSP	2	
12	P02735	BULKHEAD 1/2" BSP	8	
13	P03686	ADAPTOR MALE - MALE 1/2"-3/8" BSP	2	
14	P03687	DOWTY SEAL 3/8" BSP	3	
15	P04529	RELIEF VALVE 250BAR	1	
16	P04754	NUT LOCK M8	1	
17	P05535	WASHER FLAT M8	1	
18	P06058	BOLT M8x75 GR. 8.8	1	
19	P06216	ADAPTOR T SFOR 1/2" BSP	5	
20	P06217	ADAPTOR T SFOE 1/2" BSP	2	
21	P07930	DOC VALVE VODL/SC12	1	
22	P08837	ACCUMULATOR 2L PISTON 80b	2	
23	P09112	CLAMP 1/2" BSP PAIR	5	
24	P09113	CLAMP - TOP PLATE	2	
25	P09422	VALVE FDC VDFR38-24 3/8"	1	
26	P09967	CROSSLINE RELIEF VALVE	1	
27	P10049	BOLT M8x25 STAUFF STACK	3	
28	P10096	BOLT M8x35 GR. 8.8	1	
29	P10234	LOCK CLIP	3	
30	P16057	HK-1/2"X1850MM	1	
31	P16058	HA-1/2"X2850MM	1	
32	P16062	HA-1/2"X700MM	1	
33	P16063	HK-1/2"X960MM	1	
34	P16064	HK-1/2"X1240MM	2	
35	P16065	HK-1/2"X400MM	1	
36	P16066	HK-1/2"X550MM	1	
37	P16067	HK-1/2"X1070MM	1	
38	P16068	HK-1/2"X1240MM	1	
39	P16069	HK-1/2"X1070MM	1	
40	P16071	HK-1/2"X1140MM	1	
41	P16072	HK-1/2"X1100MM	1	
42	P16081	HK-1/2"X960MM	2	
43	P16082	HK-1/2"X1850MM	1	
44	P16083	HK-1/2"X1140MM	1	
45	P16085	HA-1/2"X700MM	1	
46	P16086	HA-1/2"X2600MM	1	
47	P16087	HA-1/2"X2600MM	1	
48	P16088	HK-1/2"X260MM	2	
49	P16089	HK-1/2"X260MM	2	
50	P16090	HK-1/2"X2270MM	1	
51	P16091	HK-1/2"X2390MM	1	
52	P16092	HK-1/2"X5800MM	1	
53	P16093	HK-1/2"X5750MM	1	
54	P16098	HK-1/2"X1140MM	1	
55	P16103	HK-1/2"X960MM	1	
56	P16104	HK-1/2"X1240MM	1	
57	P16106	HA-1/2"X700MM	1	
58	P16107	HK-1/2"X960MM	1	



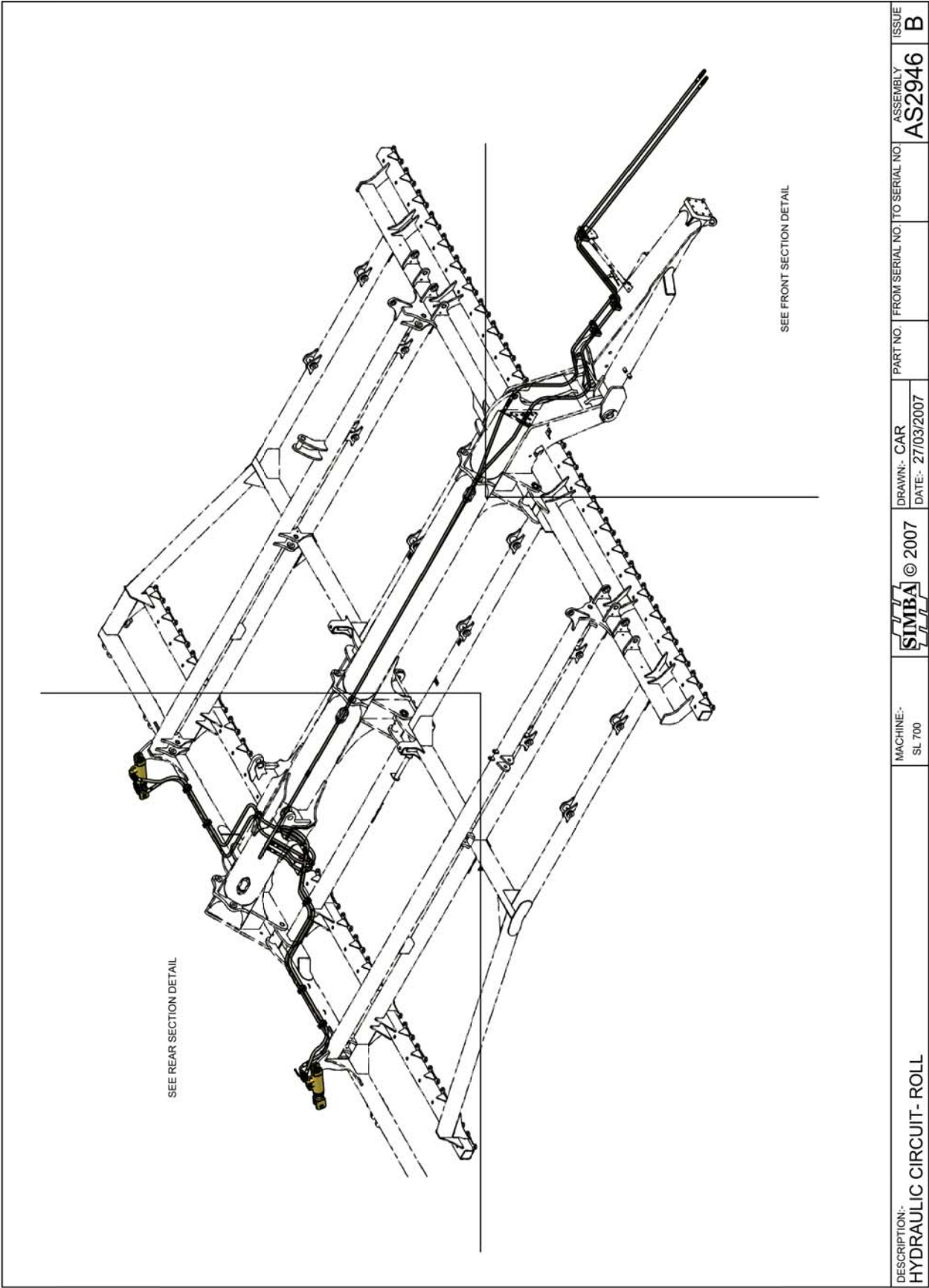
AS2945		HYDRAULIC CIRCUIT- FOLD		
ITEM	PART NO	DESCRIPTION	QTY	
1	AS1717	SOLO 450 FNT WING CYL ASSEMBLY	6	
2	P00202	ADAPTOR FEM - FEM ½" BSP	1	
3	P00203	ADAPTOR MALE-MALE ½" BSP	26	
4	P00204	ADAPTOR T ½" BSP	4	
5	P00205	QUICK RELEASE MALE - ½" BSP	2	
6	P00209	ADAPTOR 4 WAY ½" BSP	1	
7	P00774	SHUT OFF TAP ½" BSP	2	
8	P01796	M3/8"-F1/2"	1	
9	P02263	DOWTY SEAL ½" BSP	31	
10	P02730	QUICK RELEASE FEM. ½" BSP	2	
11	P02734	ELBOW MALE-FEM COMPACT ½" BSP	2	
12	P02735	BULKHEAD ½" BSP	8	
13	P03686	ADAPTOR MALE - MALE ½"-3/8" BSP	2	
14	P03687	DOWTY SEAL 3/8" BSP	3	
15	P04529	RELIEF VALVE 250BAR	1	
16	P04754	NUT LOCK M8	1	
17	P05535	WASHER FLAT M8	1	
18	P06058	BOLT M8x75 GR. 8.8	1	
19	P06216	ADAPTOR T SFOR ½" BSP	5	
20	P06217	ADAPTOR T SFOE ½" BSP	2	
21	P07930	DOC VALVE VODL/SC12	1	
22	P08837	ACCUMULATOR 2L PISTON 80b	2	
23	P09112	CLAMP ½" BSP PAIR	5	
24	P09113	CLAMP - TOP PLATE	2	
25	P09422	VALVE FDC VDFR38-24 3/8"	1	
26	P09967	CROSSLINE RELIEF VALVE	1	
27	P10049	BOLT M8x25 STAUFF STACK	3	
28	P10096	BOLT M8x35 GR. 8.8	1	
29	P10234	LOCK CLIP	3	
30	P16057	HK-1/2"X1850MM	1	
31	P16058	HA-1/2"X2850MM	1	
32	P16062	HA-1/2"X700MM	1	
33	P16063	HK-1/2"X960MM	1	
34	P16064	HK-1/2"X1240MM	2	
35	P16065	HK-1/2"X400MM	1	
36	P16066	HK-1/2"X550MM	1	
37	P16067	HK-1/2"X1070MM	1	
38	P16068	HK-1/2"X1240MM	1	
39	P16069	HK-1/2"X1070MM	1	
40	P16071	HK-1/2"X1140MM	1	
41	P16072	HK-1/2"X1100MM	1	
42	P16081	HK-1/2"X960MM	2	
43	P16082	HK-1/2"X1850MM	1	
44	P16083	HK-1/2"X1140MM	1	
45	P16085	HA-1/2"X700MM	1	
46	P16086	HA-1/2"X2600MM	1	
47	P16087	HA-1/2"X2600MM	1	
48	P16088	HK-1/2"X260MM	2	
49	P16089	HK-1/2"X260MM	2	
50	P16090	HK-1/2"X2270MM	1	
51	P16091	HK-1/2"X2390MM	1	
52	P16092	HK-1/2"X5800MM	1	
53	P16093	HK-1/2"X5750MM	1	
54	P16098	HK-1/2"X1140MM	1	
55	P16103	HK-1/2"X960MM	1	
56	P16104	HK-1/2"X1240MM	1	
57	P16106	HA-1/2"X700MM	1	
58	P16107	HK-1/2"X960MM	1	



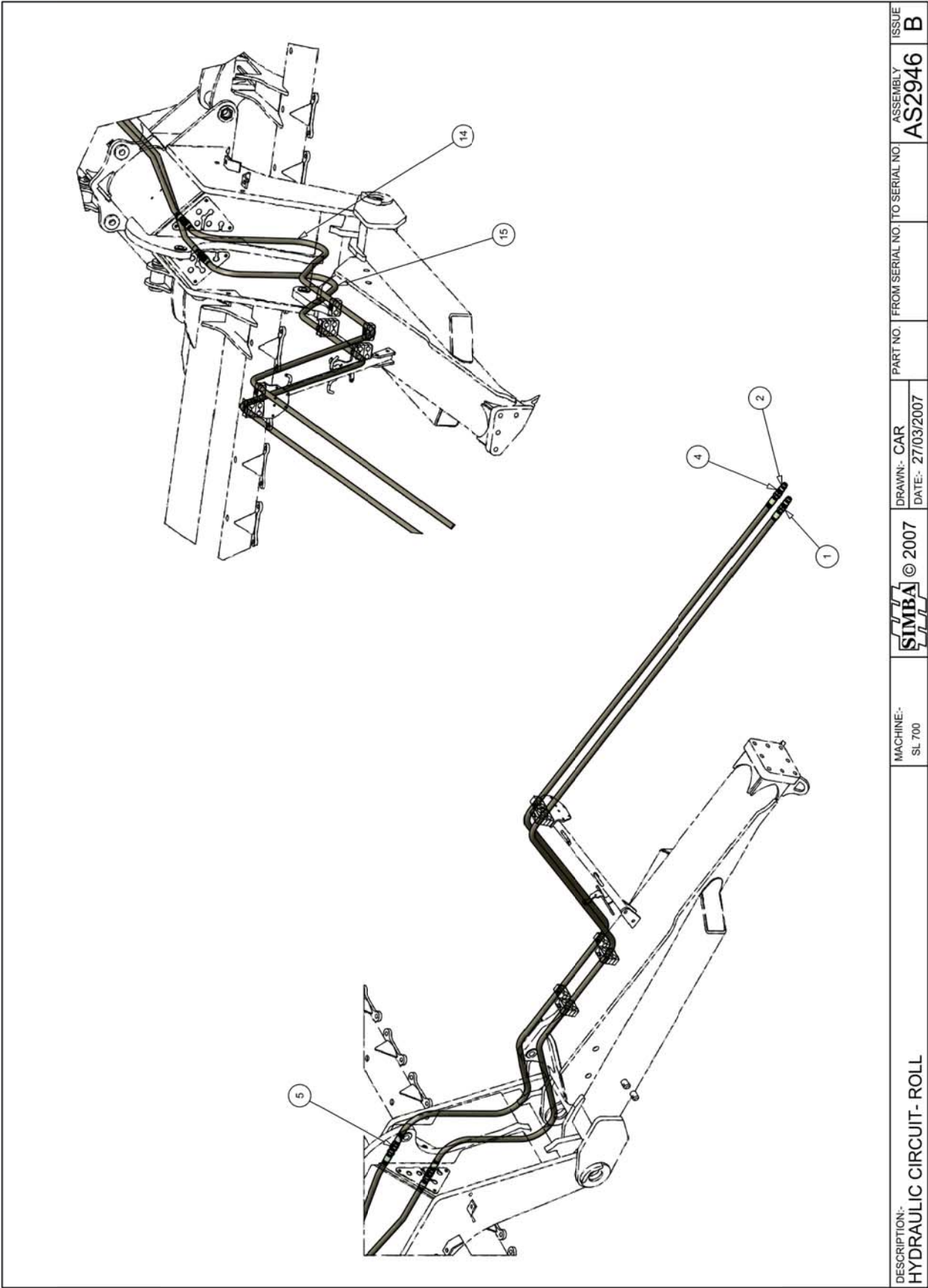
AS2945		HYDRAULIC CIRCUIT- FOLD		
ITEM	PART NO	DESCRIPTION	QTY	
1	AS1717	SOLO 450 FNT WING CYL ASSEMBLY	6	
2	P00202	ADAPTOR FEM - FEM ½" BSP	1	
3	P00203	ADAPTOR MALE-MALE ½" BSP	26	
4	P00204	ADAPTOR T ½" BSP	4	
5	P00205	QUICK RELEASE MALE - ½" BSP	2	
6	P00209	ADAPTOR 4 WAY ½" BSP	1	
7	P00774	SHUT OFF TAP ½" BSP	2	
8	P01796	M3/8"-F1/2"	1	
9	P02263	DOWTY SEAL ½" BSP	31	
10	P02730	QUICK RELEASE FEM. ½" BSP	2	
11	P02734	ELBOW MALE-FEM COMPACT ½" BSP	2	
12	P02735	BULKHEAD ½" BSP	8	
13	P03686	ADAPTOR MALE - MALE ½"-3/8" BSP	2	
14	P03687	DOWTY SEAL 3/8" BSP	3	
15	P04529	RELIEF VALVE 250BAR	1	
16	P04754	NUT LOCK M8	1	
17	P05535	WASHER FLAT M8	1	
18	P06058	BOLT M8x75 GR. 8.8	1	
19	P06216	ADAPTOR T SFOR ½" BSP	5	
20	P06217	ADAPTOR T SFOE ½" BSP	2	
21	P07930	DOC VALVE VODL/SC12	1	
22	P08837	ACCUMULATOR 2L PISTON 80b	2	
23	P09112	CLAMP ½" BSP PAIR	5	
24	P09113	CLAMP - TOP PLATE	2	
25	P09422	VALVE FDC VDFR38-24 3/8"	1	
26	P09967	CROSSLINE RELIEF VALVE	1	
27	P10049	BOLT M8x25 STAUFF STACK	3	
28	P10096	BOLT M8x35 GR. 8.8	1	
29	P10234	LOCK CLIP	3	
30	P16057	HK-1/2"X1850MM	1	
31	P16058	HA-1/2"X2850MM	1	
32	P16062	HA-1/2"X700MM	1	
33	P16063	HK-1/2"X960MM	1	
34	P16064	HK-1/2"X1240MM	2	
35	P16065	HK-1/2"X400MM	1	
36	P16066	HK-1/2"X550MM	1	
37	P16067	HK-1/2"X1070MM	1	
38	P16068	HK-1/2"X1240MM	1	
39	P16069	HK-1/2"X1070MM	1	
40	P16071	HK-1/2"X1140MM	1	
41	P16072	HK-1/2"X1100MM	1	
42	P16081	HK-1/2"X960MM	2	
43	P16082	HK-1/2"X1850MM	1	
44	P16083	HK-1/2"X1140MM	1	
45	P16085	HA-1/2"X700MM	1	
46	P16086	HA-1/2"X2600MM	1	
47	P16087	HA-1/2"X2600MM	1	
48	P16088	HK-1/2"X260MM	2	
49	P16089	HK-1/2"X260MM	2	
50	P16090	HK-1/2"X2270MM	1	
51	P16091	HK-1/2"X2390MM	1	
52	P16092	HK-1/2"X5800MM	1	
53	P16093	HK-1/2"X5750MM	1	
54	P16098	HK-1/2"X1140MM	1	
55	P16103	HK-1/2"X960MM	1	
56	P16104	HK-1/2"X1240MM	1	
57	P16106	HA-1/2"X700MM	1	
58	P16107	HK-1/2"X960MM	1	



AS2945		HYDRAULIC CIRCUIT- FOLD		
ITEM	PART NO	DESCRIPTION	QTY	
1	AS1717	SOLO 450 FNT WING CYL ASSEMBLY	6	
2	P00202	ADAPTOR FEM - FEM 1/2" BSP	1	
3	P00203	ADAPTOR MALE-MALE 1/2" BSP	26	
4	P00204	ADAPTOR T 1/2" BSP	4	
5	P00205	QUICK RELEASE MALE - 1/2" BSP	2	
6	P00209	ADAPTOR 4 WAY 1/2" BSP	1	
7	P00774	SHUT OFF TAP 1/2" BSP	2	
8	P01796	M3/8"-F1/2"	1	
9	P02263	DOWTY SEAL 1/2" BSP	31	
10	P02730	QUICK RELEASE FEM. 1/2" BSP	2	
11	P02734	ELBOW MALE-FEM COMPACT 1/2" BSP	2	
12	P02735	BULKHEAD 1/2" BSP	8	
13	P03686	ADAPTOR MALE - MALE 1/2"-3/8" BSP	2	
14	P03687	DOWTY SEAL 3/8" BSP	3	
15	P04529	RELIEF VALVE 250BAR	1	
16	P04754	NUT LOCK M8	1	
17	P05535	WASHER FLAT M8	1	
18	P06058	BOLT M8x75 GR. 8.8	1	
19	P06216	ADAPTOR T SFOR 1/2" BSP	5	
20	P06217	ADAPTOR T SFOE 1/2" BSP	2	
21	P07930	DOC VALVE VODL/SC12	1	
22	P08837	ACCUMULATOR 2L PISTON 80b	2	
23	P09112	CLAMP 1/2" BSP PAIR	5	
24	P09113	CLAMP - TOP PLATE	2	
25	P09422	VALVE FDC VDFR38-24 3/8"	1	
26	P09967	CROSSLINE RELIEF VALVE	1	
27	P10049	BOLT M8x25 STAUFF STACK	3	
28	P10096	BOLT M8x35 GR. 8.8	1	
29	P10234	LOCK CLIP	3	
30	P16057	HK-1/2"X1850MM	1	
31	P16058	HA-1/2"X2850MM	1	
32	P16062	HA-1/2"X700MM	1	
33	P16063	HK-1/2"X960MM	1	
34	P16064	HK-1/2"X1240MM	2	
35	P16065	HK-1/2"X400MM	1	
36	P16066	HK-1/2"X550MM	1	
37	P16067	HK-1/2"X1070MM	1	
38	P16068	HK-1/2"X1240MM	1	
39	P16069	HK-1/2"X1070MM	1	
40	P16071	HK-1/2"X1140MM	1	
41	P16072	HK-1/2"X1100MM	1	
42	P16081	HK-1/2"X960MM	2	
43	P16082	HK-1/2"X1850MM	1	
44	P16083	HK-1/2"X1140MM	1	
45	P16085	HA-1/2"X700MM	1	
46	P16086	HA-1/2"X2600MM	1	
47	P16087	HA-1/2"X2600MM	1	
48	P16088	HK-1/2"X260MM	2	
49	P16089	HK-1/2"X260MM	2	
50	P16090	HK-1/2"X2270MM	1	
51	P16091	HK-1/2"X2390MM	1	
52	P16092	HK-1/2"X5800MM	1	
53	P16093	HK-1/2"X5750MM	1	
54	P16098	HK-1/2"X1140MM	1	
55	P16103	HK-1/2"X960MM	1	
56	P16104	HK-1/2"X1240MM	1	
57	P16106	HA-1/2"X700MM	1	
58	P16107	HK-1/2"X960MM	1	

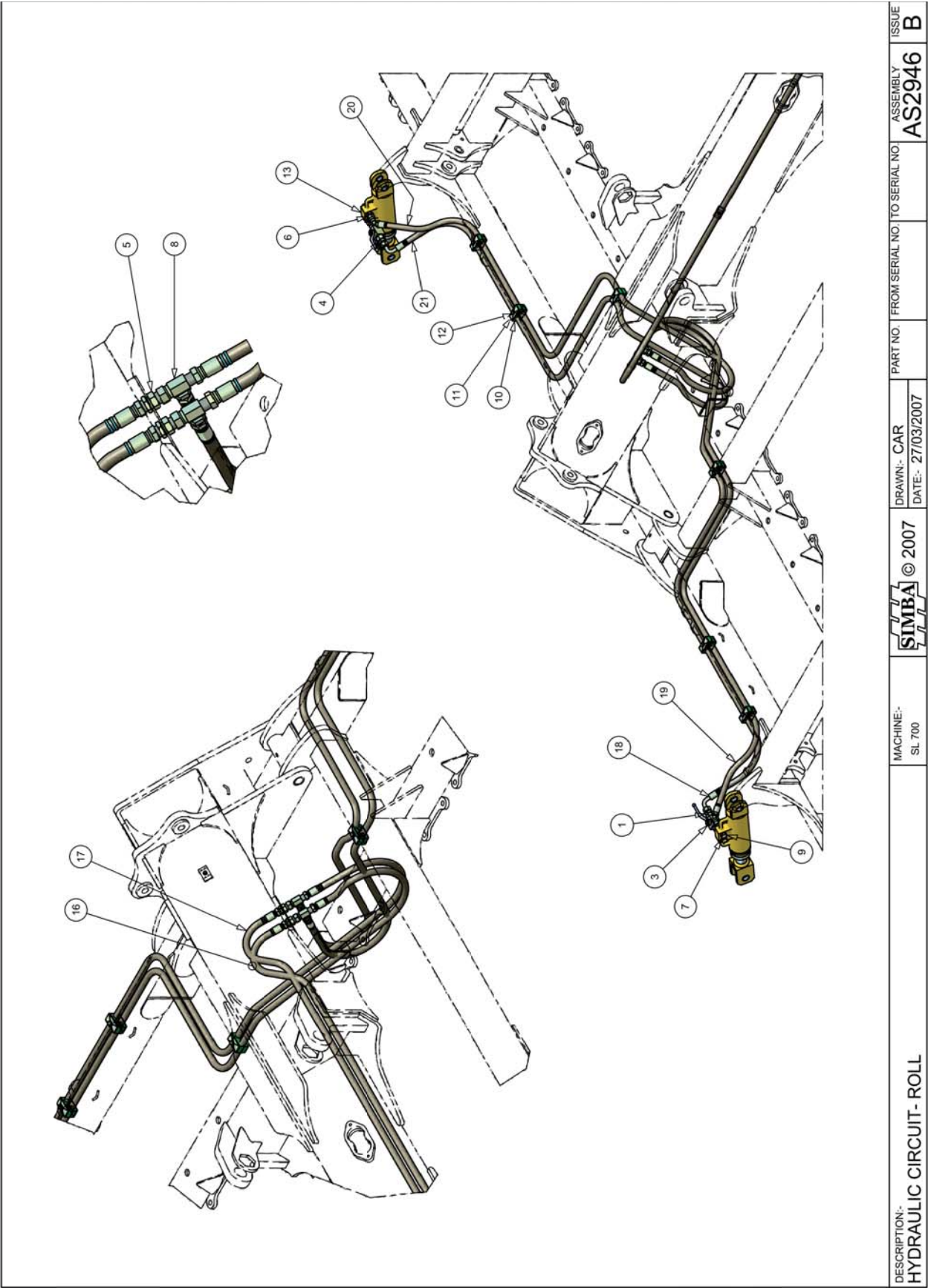


AS2946		HYDRAULIC CIRCUIT- ROLL		
ITEM	PART NO	DESCRIPTION	QTY	
1	P00203	ADAPTOR MALE-MALE ½" BSP	5	
2	P00205	QUICK RELEASE MALE - ½" BSP	2	
3	P00774	SHUT OFF TAP ½" BSP	2	
4	P02263	DOWTY SEAL ½" BSP	6	
5	P02735	BULKHEAD ½" BSP	4	
6	P03686	ADAPTOR MALE - MALE ½"-3/8" BSP	4	
7	P03687	DOWTY SEAL 3/8" BSP	8	
8	P06216	ADAPTOR T SFOR ½" BSP	2	
9	P07977	BLANKING PLUG 3/8" BSP	4	
10	P09112	CLAMP ½" BSP PAIR	6	
11	P09113	CLAMP - TOP PLATE	6	
12	P10096	BOLT M8x35 GR. 8.8	6	
13	P13979	CYLINDER - Ø75	2	
14	P16150	HA-1/2"X4800MM	1	
15	P16151	HA-1/2"X4800MM	1	
16	P16152	HA-1/2"X5500MM	1	
17	P16154	HA-1/2"X5500MM	1	
18	P16155	HA-1/2"X2600MM	1	
19	P16157	HA-1/2"X2700MM	1	
20	P16158	HA-1/2"X2700MM	1	
21	P16159	HA-1/2"X2350MM	1	
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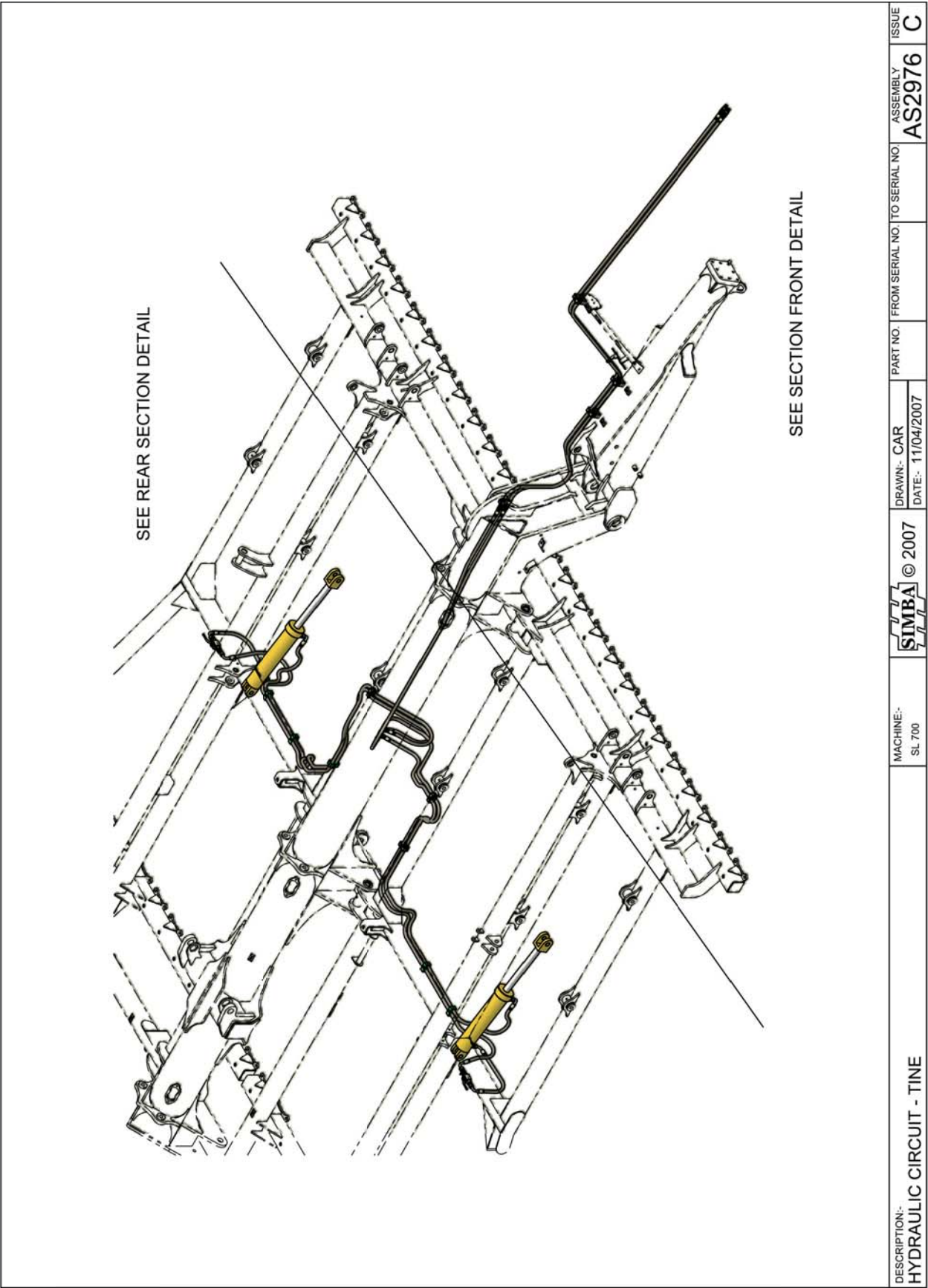
DESCRIPTION:- HYDRAULIC CIRCUIT - ROLL		MACHINE:- SL 700	SIMBA © 2007		DRAWN:- CAR DATE:- 27/03/2007	PART NO.	FROM SERIAL NO. TO SERIAL NO.	ASSEMBLY AS2946	ISSUE B
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AS2946		HYDRAULIC CIRCUIT- ROLL		
ITEM	PART NO	DESCRIPTION	QTY	
1	P00203	ADAPTOR MALE-MALE ½" BSP	5	
2	P00205	QUICK RELEASE MALE - ½" BSP	2	
3	P00774	SHUT OFF TAP ½" BSP	2	
4	P02263	DOWTY SEAL ½" BSP	6	
5	P02735	BULKHEAD ½" BSP	4	
6	P03686	ADAPTOR MALE - MALE ½"-3/8" BSP	4	
7	P03687	DOWTY SEAL 3/8" BSP	8	
8	P06216	ADAPTOR T SFOR ½" BSP	2	
9	P07977	BLANKING PLUG 3/8" BSP	4	
10	P09112	CLAMP ½" BSP PAIR	6	
11	P09113	CLAMP - TOP PLATE	6	
12	P10096	BOLT M8x35 GR. 8.8	6	
13	P13979	CYLINDER - Ø75	2	
14	P16150	HA-1/2"X4800MM	1	
15	P16151	HA-1/2"X4800MM	1	
16	P16152	HA-1/2"X5500MM	1	
17	P16154	HA-1/2"X5500MM	1	
18	P16155	HA-1/2"X2600MM	1	
19	P16157	HA-1/2"X2700MM	1	
20	P16158	HA-1/2"X2700MM	1	
21	P16159	HA-1/2"X2350MM	1	
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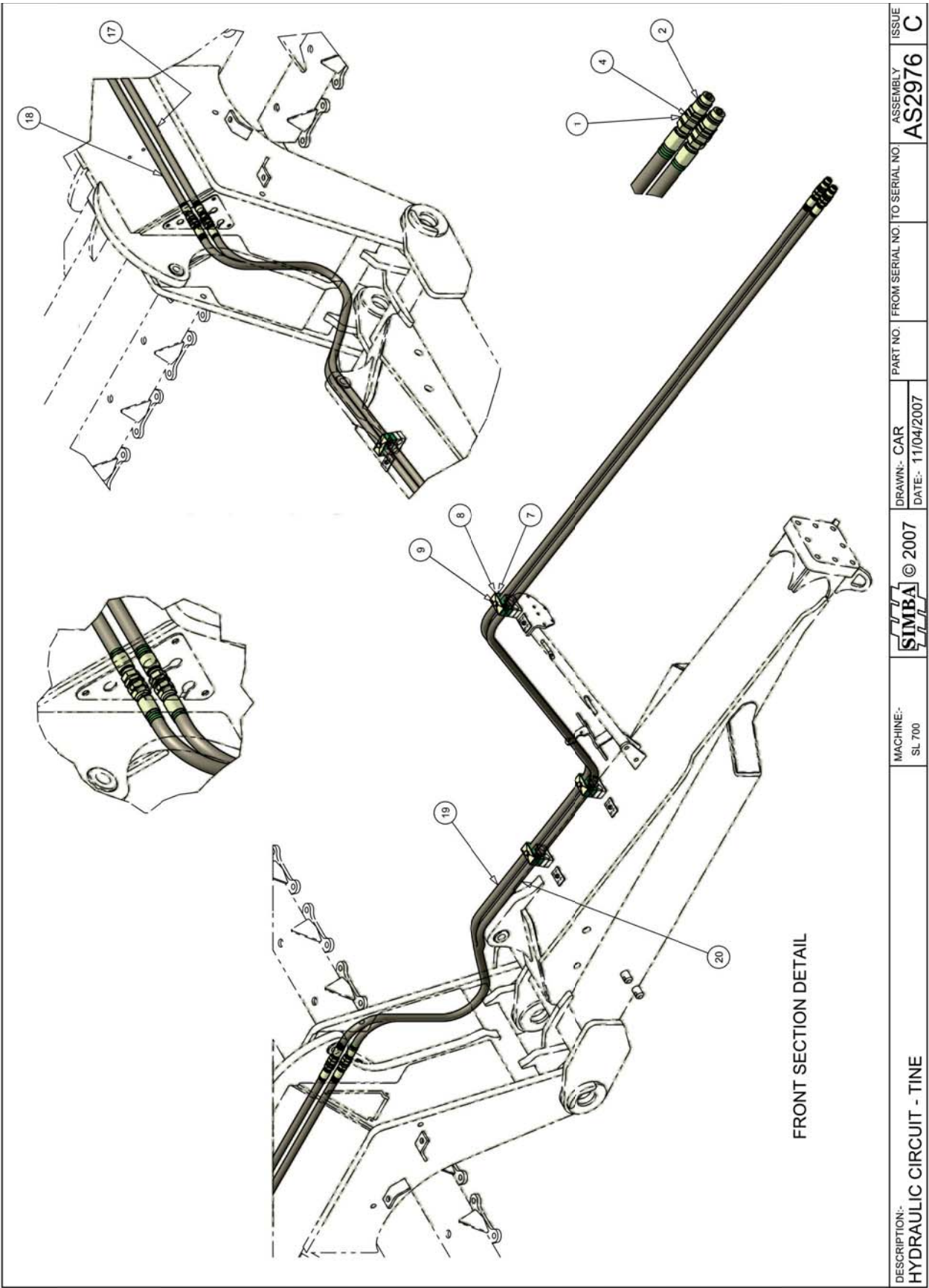


DESCRIPTION:- HYDRAULIC CIRCUIT - ROLL		MACHINE:- SL 700	SIMBA © 2007		DRAWN:- CAR DATE:- 27/03/2007	PART NO.	FROM SERIAL NO. TO SERIAL NO.	ASSEMBLY AS2946	ISSUE B
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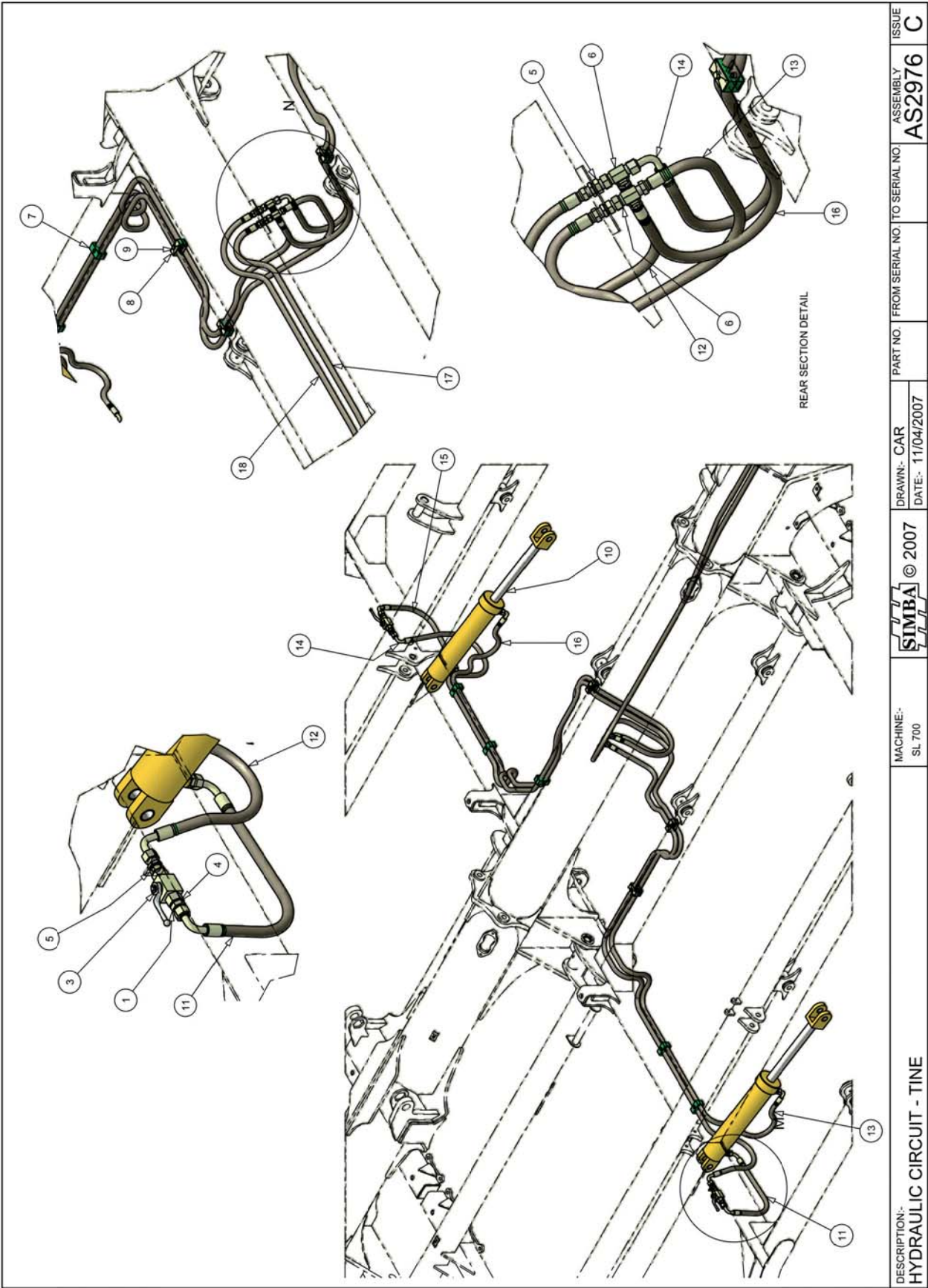
AS2946		HYDRAULIC CIRCUIT- ROLL		
ITEM	PART NO	DESCRIPTION	QTY	
1	P00203	ADAPTOR MALE-MALE ½" BSP	5	
2	P00205	QUICK RELEASE MALE - ½" BSP	2	
3	P00774	SHUT OFF TAP ½" BSP	2	
4	P02263	DOWTY SEAL ½" BSP	6	
5	P02735	BULKHEAD ½" BSP	4	
6	P03686	ADAPTOR MALE - MALE ½"-3/8" BSP	4	
7	P03687	DOWTY SEAL 3/8" BSP	8	
8	P06216	ADAPTOR T SFOR ½" BSP	2	
9	P07977	BLANKING PLUG 3/8" BSP	4	
10	P09112	CLAMP ½" BSP PAIR	6	
11	P09113	CLAMP - TOP PLATE	6	
12	P10096	BOLT M8x35 GR. 8.8	6	
13	P13979	CYLINDER - Ø75	2	
14	P16150	HA-1/2"X4800MM	1	
15	P16151	HA-1/2"X4800MM	1	
16	P16152	HA-1/2"X5500MM	1	
17	P16154	HA-1/2"X5500MM	1	
18	P16155	HA-1/2"X2600MM	1	
19	P16157	HA-1/2"X2700MM	1	
20	P16158	HA-1/2"X2700MM	1	
21	P16159	HA-1/2"X2350MM	1	
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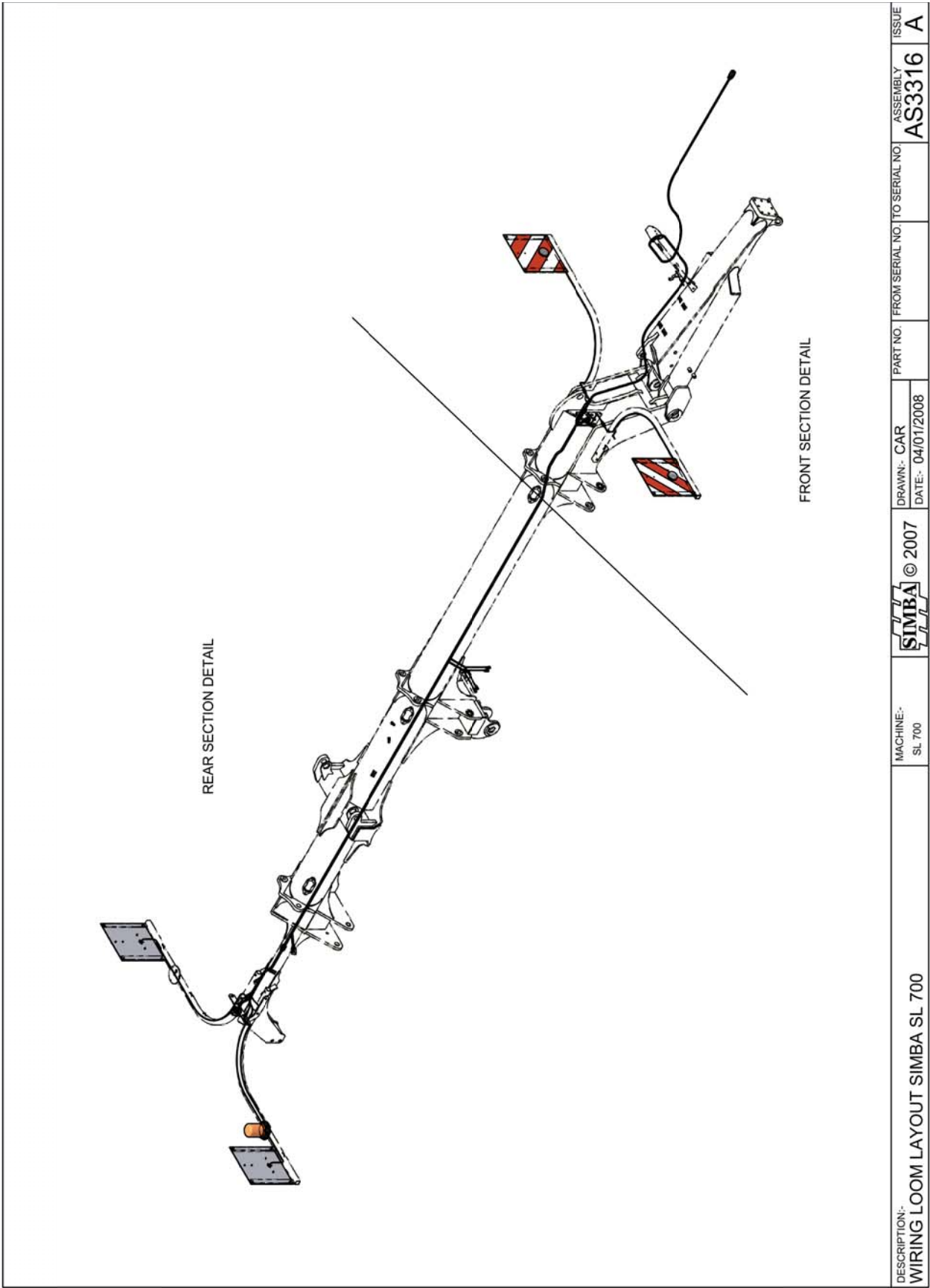
AS2976		HYDRAULIC CIRCUIT - TINE		
ITEM	PART NO	DESCRIPTION	QTY	
1	P00203	ADAPTOR MALE-MALE ½" BSP	8	
2	P00205	QUICK RELEASE MALE - ½" BSP	2	
3	P00774	SHUT OFF TAP ½" BSP	2	
4	P02263	DOWTY SEAL ½" BSP	10	
5	P02735	BULKHEAD ½" BSP	6	
6	P06216	ADAPTOR T SFOR ½" BSP	2	
7	P09112	CLAMP ½" BSP PAIR	11	
8	P09113	CLAMP - TOP PLATE	11	
9	P10096	BOLT M8x35 GR. 8.8	11	
10	P12786	CYLINDER - Ø90x400 - 45	2	
11	P16160	HA-1/2"X700MM	1	
12	P16162	HA-1/2"X3300MM	1	
13	P16165	HA-1/2"X3670MM	1	
14	P16166	HA-1/2"X3300MM	1	
15	P16168	HA-1/2"X700MM	1	
16	P16169	HA-1/2"X3300MM	1	
17	P16170	HA-1/2"X2900MM	1	
18	P16172	HA-1/2"X2900MM	1	
19	P16173	HA-1/2"X4800MM	1	
20	P16174	HA-1/2"X4800MM	1	
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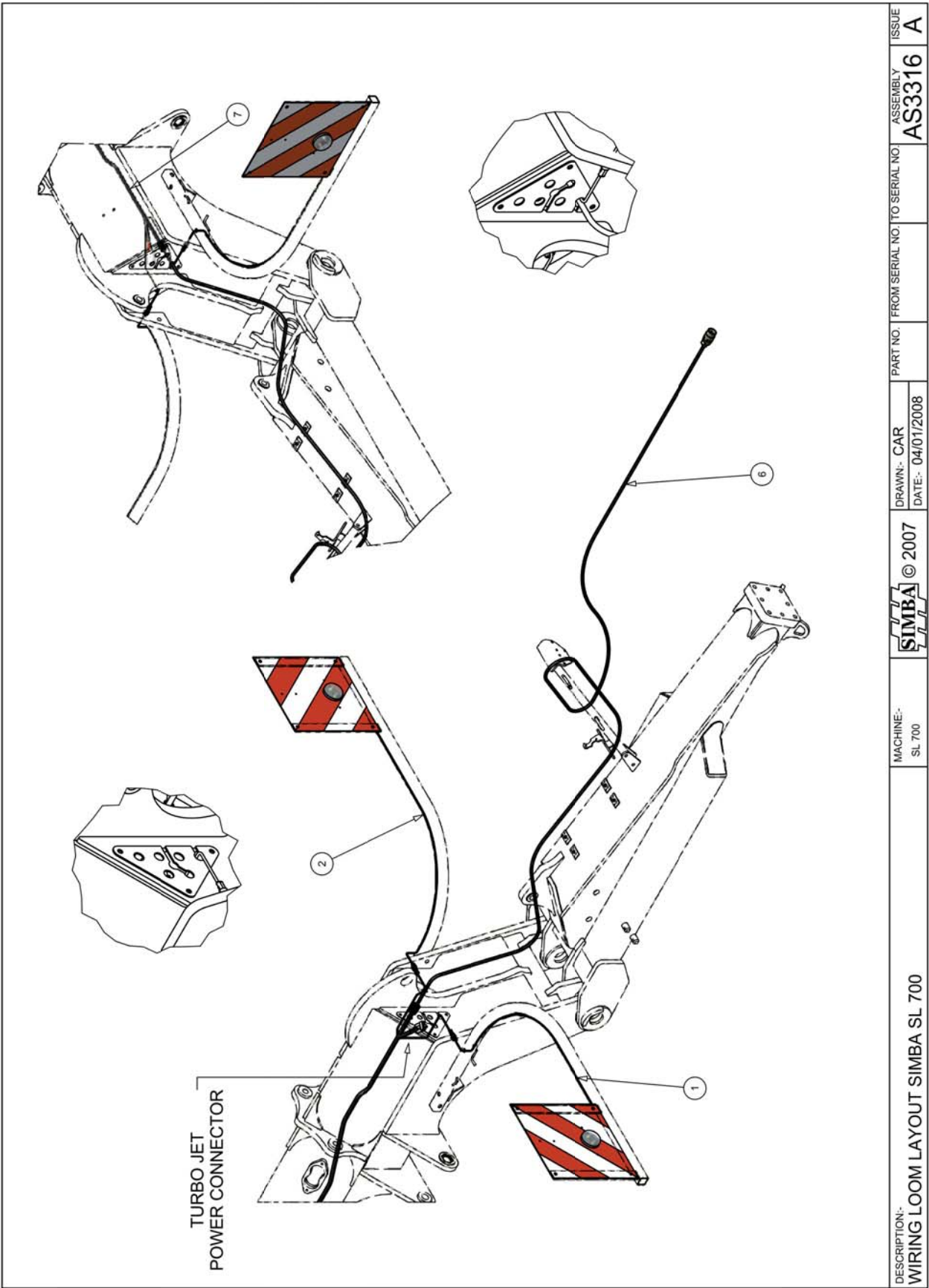
AS2976		HYDRAULIC CIRCUIT - TINE		
ITEM	PART NO	DESCRIPTION	QTY	
1	P00203	ADAPTOR MALE-MALE ½" BSP	8	
2	P00205	QUICK RELEASE MALE - ½" BSP	2	
3	P00774	SHUT OFF TAP ½" BSP	2	
4	P02263	DOWTY SEAL ½" BSP	10	
5	P02735	BULKHEAD ½" BSP	6	
6	P06216	ADAPTOR T SFOR ½" BSP	2	
7	P09112	CLAMP ½" BSP PAIR	11	
8	P09113	CLAMP - TOP PLATE	11	
9	P10096	BOLT M8x35 GR. 8.8	11	
10	P12786	CYLINDER - Ø90x400 - 45	2	
11	P16160	HA-1/2"X700MM	1	
12	P16162	HA-1/2"X3300MM	1	
13	P16165	HA-1/2"X3670MM	1	
14	P16166	HA-1/2"X3300MM	1	
15	P16168	HA-1/2"X700MM	1	
16	P16169	HA-1/2"X3300MM	1	
17	P16170	HA-1/2"X2900MM	1	
18	P16172	HA-1/2"X2900MM	1	
19	P16173	HA-1/2"X4800MM	1	
20	P16174	HA-1/2"X4800MM	1	
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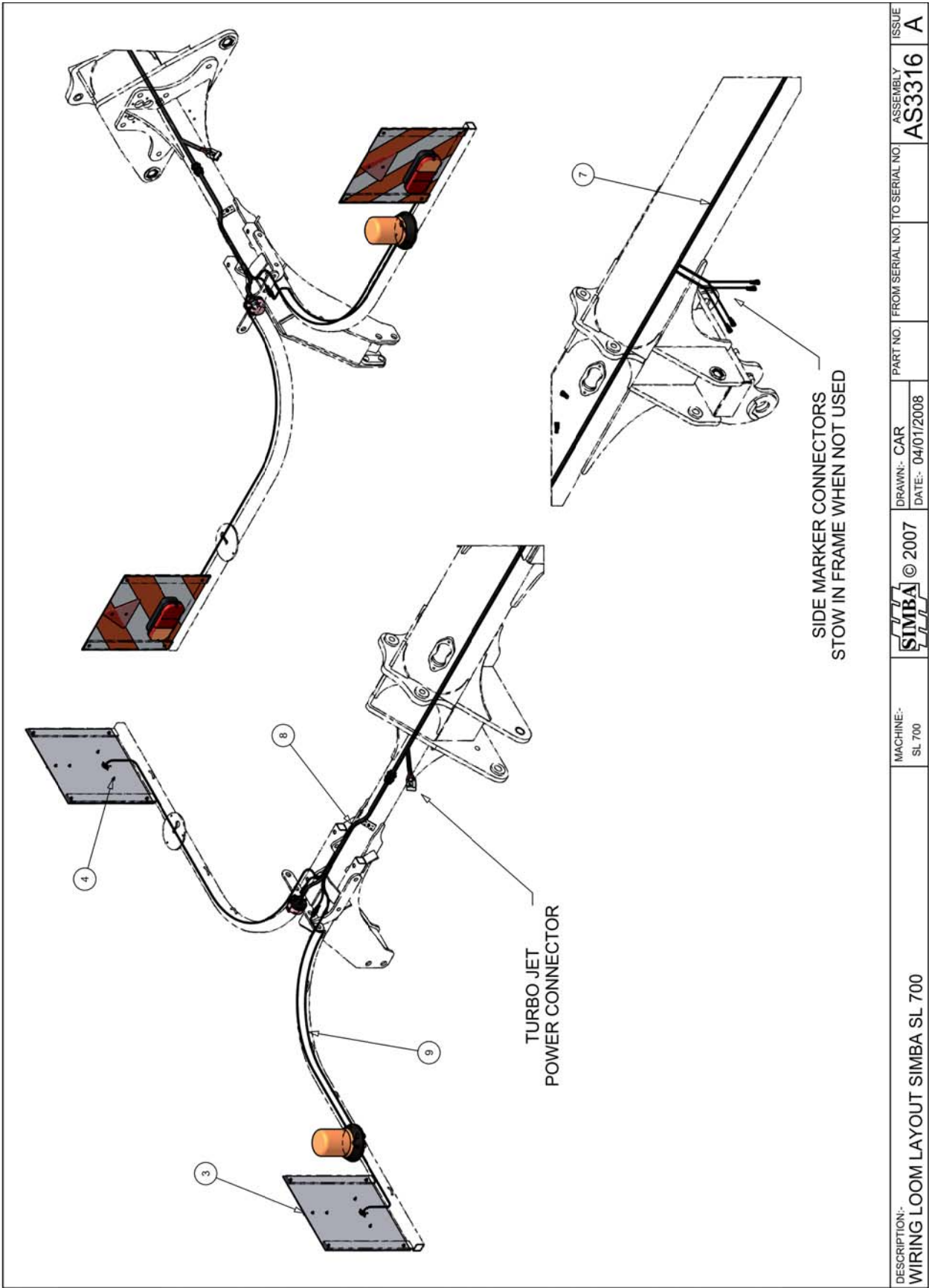
AS2976		HYDRAULIC CIRCUIT - TINE		
ITEM	PART NO	DESCRIPTION	QTY	
1	P00203	ADAPTOR MALE-MALE ½" BSP	8	
2	P00205	QUICK RELEASE MALE - ½" BSP	2	
3	P00774	SHUT OFF TAP ½" BSP	2	
4	P02263	DOWTY SEAL ½" BSP	10	
5	P02735	BULKHEAD ½" BSP	6	
6	P06216	ADAPTOR T SFOR ½" BSP	2	
7	P09112	CLAMP ½" BSP PAIR	11	
8	P09113	CLAMP - TOP PLATE	11	
9	P10096	BOLT M8x35 GR. 8.8	11	
10	P12786	CYLINDER - Ø90x400 - 45	2	
11	P16160	HA-1/2"X700MM	1	
12	P16162	HA-1/2"X3300MM	1	
13	P16165	HA-1/2"X3670MM	1	
14	P16166	HA-1/2"X3300MM	1	
15	P16168	HA-1/2"X700MM	1	
16	P16169	HA-1/2"X3300MM	1	
17	P16170	HA-1/2"X2900MM	1	
18	P16172	HA-1/2"X2900MM	1	
19	P16173	HA-1/2"X4800MM	1	
20	P16174	HA-1/2"X4800MM	1	
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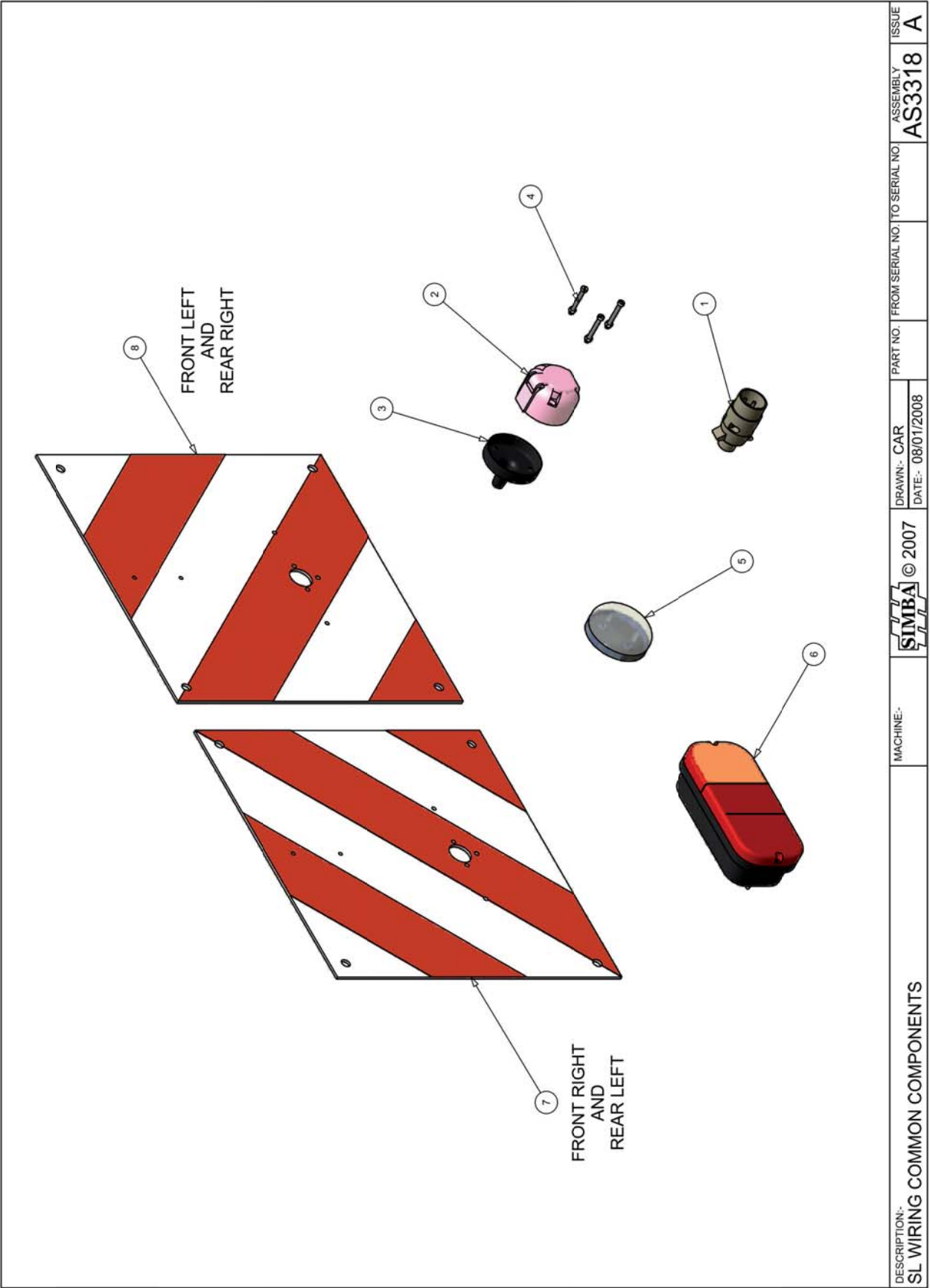
AS3316		WIRING LOOM LAYOUT		
ITEM	PART NO	DESCRIPTION	QTY	COMMENTS
1	P15560	LIGHT BOARD FRH	1	
2	P15561	LIGHT BOARD FLH	1	
3	P15562	LIGHT BOARD RRH	1	
4	P15563	LIGHT BOARD RLH	1	
5	P15710	SL 700 TRACTOR LEAD	1	
6	P15711	SL 700 BODY LOOM	1	
7	P15712	SL 700 REAR LOOM	1	
8	P15715	SL 700 BEACON LEAD	1	
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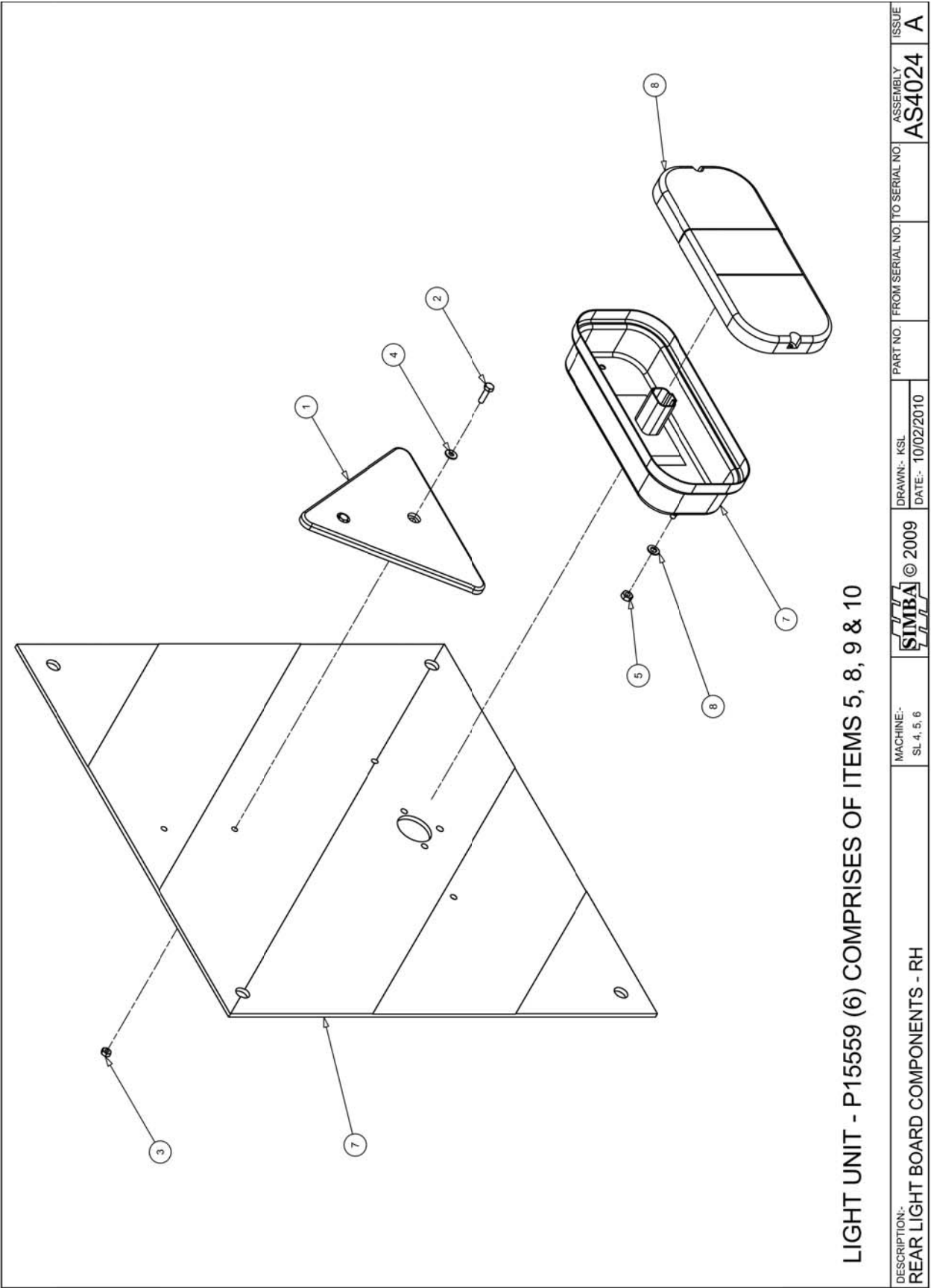
AS3316		WIRING LOOM LAYOUT		
ITEM	PART NO	DESCRIPTION	QTY	COMMENTS
1	P15560	LIGHT BOARD FRH	1	
2	P15561	LIGHT BOARD FLH	1	
3	P15562	LIGHT BOARD RRH	1	
4	P15563	LIGHT BOARD RLH	1	
5	P15710	SL 700 TRACTOR LEAD	1	
6	P15711	SL 700 BODY LOOM	1	
7	P15712	SL 700 REAR LOOM	1	
8	P15715	SL 700 BEACON LEAD	1	
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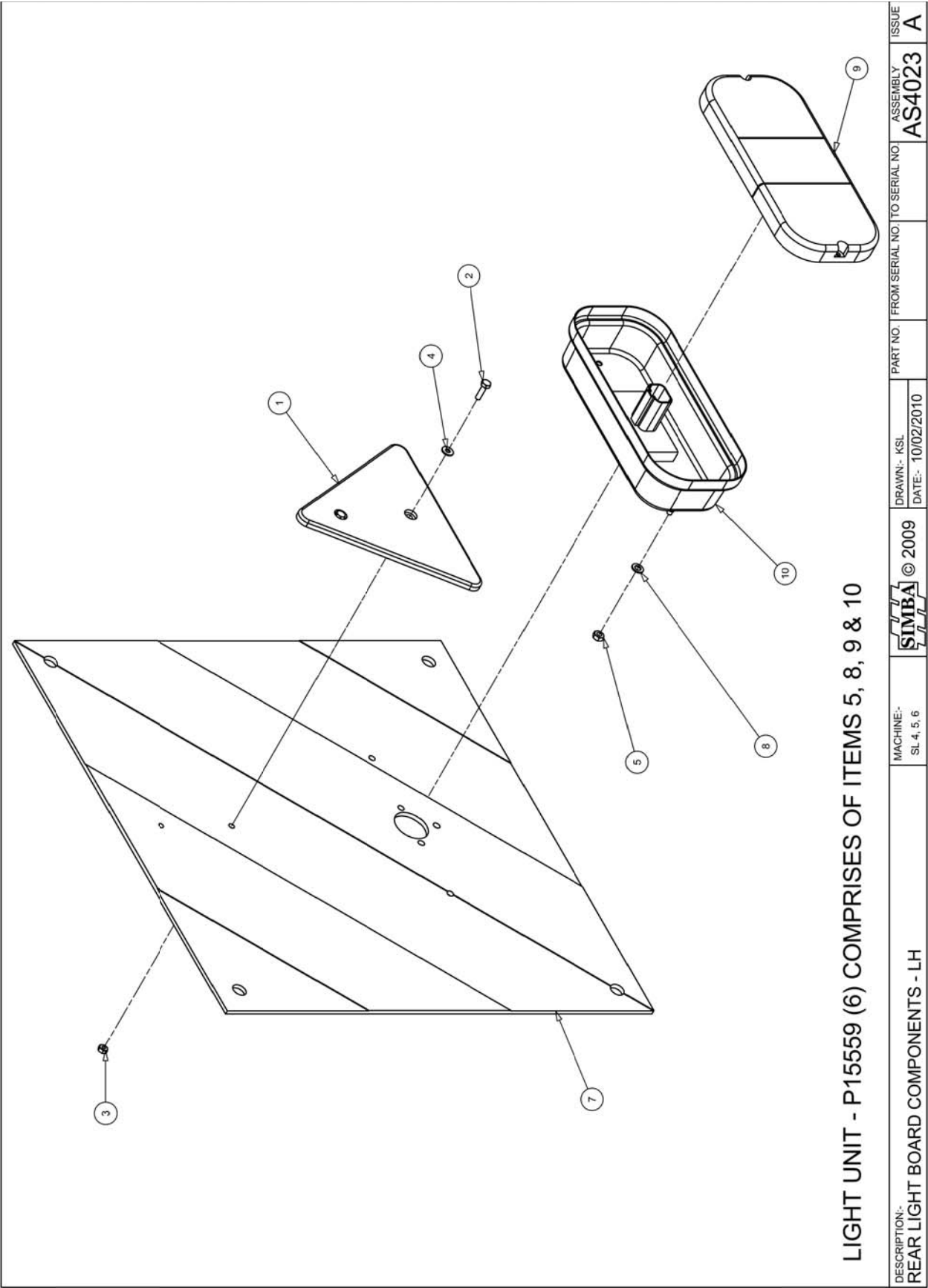
AS3316		WIRING LOOM LAYOUT		
ITEM	PART NO	DESCRIPTION	QTY	
1	P15560	LIGHT BOARD FRH	1	
2	P15561	LIGHT BOARD FLH	1	
3	P15562	LIGHT BOARD RRH	1	
4	P15563	LIGHT BOARD RLH	1	
5	P15710	SL 700 TRACTOR LEAD	1	
6	P15711	SL 700 BODY LOOM	1	
7	P15712	SL 700 REAR LOOM	1	
8	P15715	SL 700 BEACON LEAD	1	
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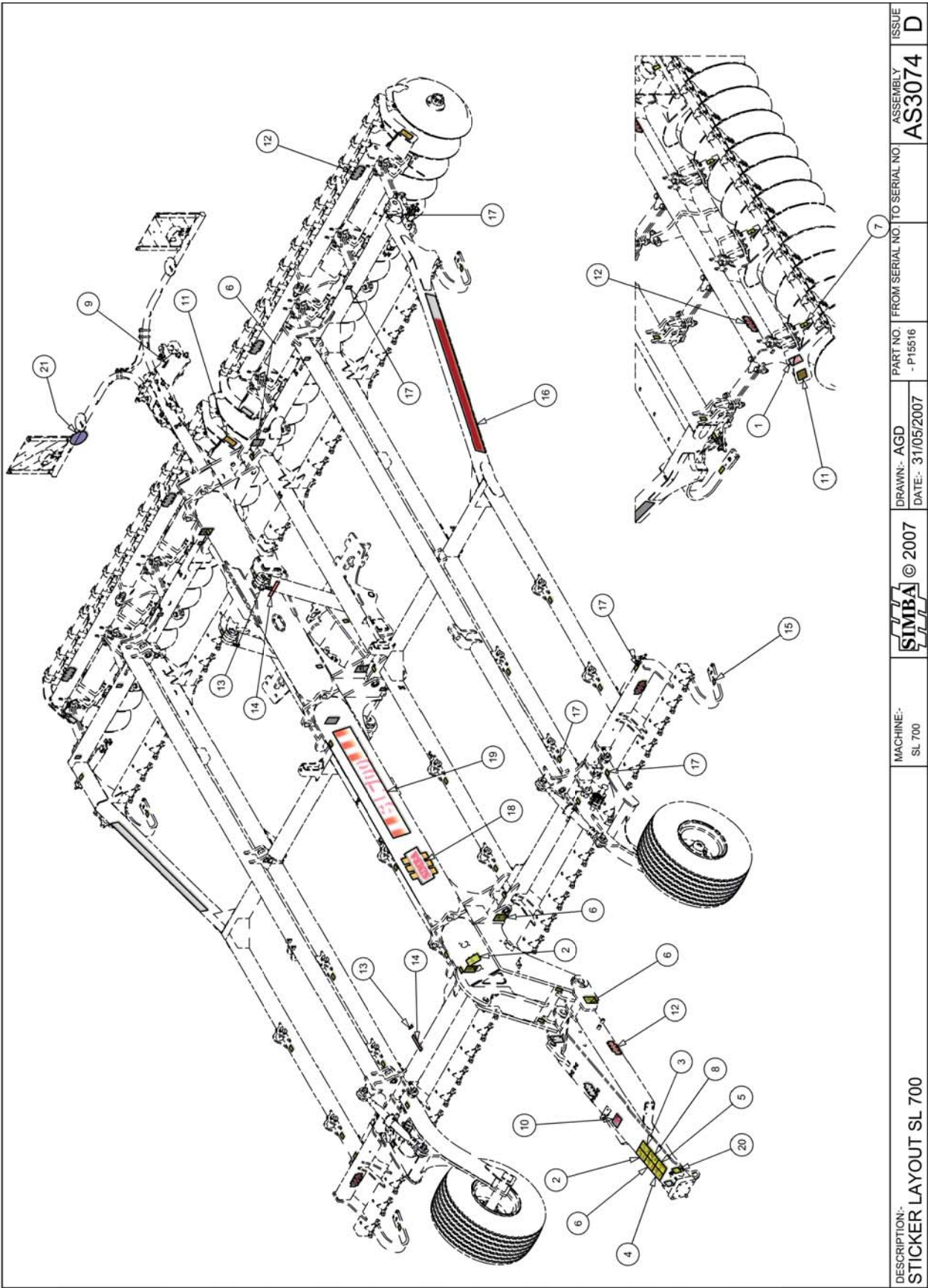
AS3318		SL WIRING COMMON COMPONENTS		
ITEM	PART NO	DESCRIPTION	QTY	
1	P05821	PLUG 12N 7 PIN	1	
2	P12424	TRAILER SOCKET FEMALE 12N	1	
3	P12425	SOCKET 12N - BOOT	1	
4	P12426	SOCKET 12N - INSTALL KIT	1	
5	P15558	LIGHT UNIT FRONT	1	
6	P15559	LIGHT UNIT	1	
7	P15594	LIGHT BOARD FR/RL	1	
8	P15600	LIGHT BOARD FL/RR	1	
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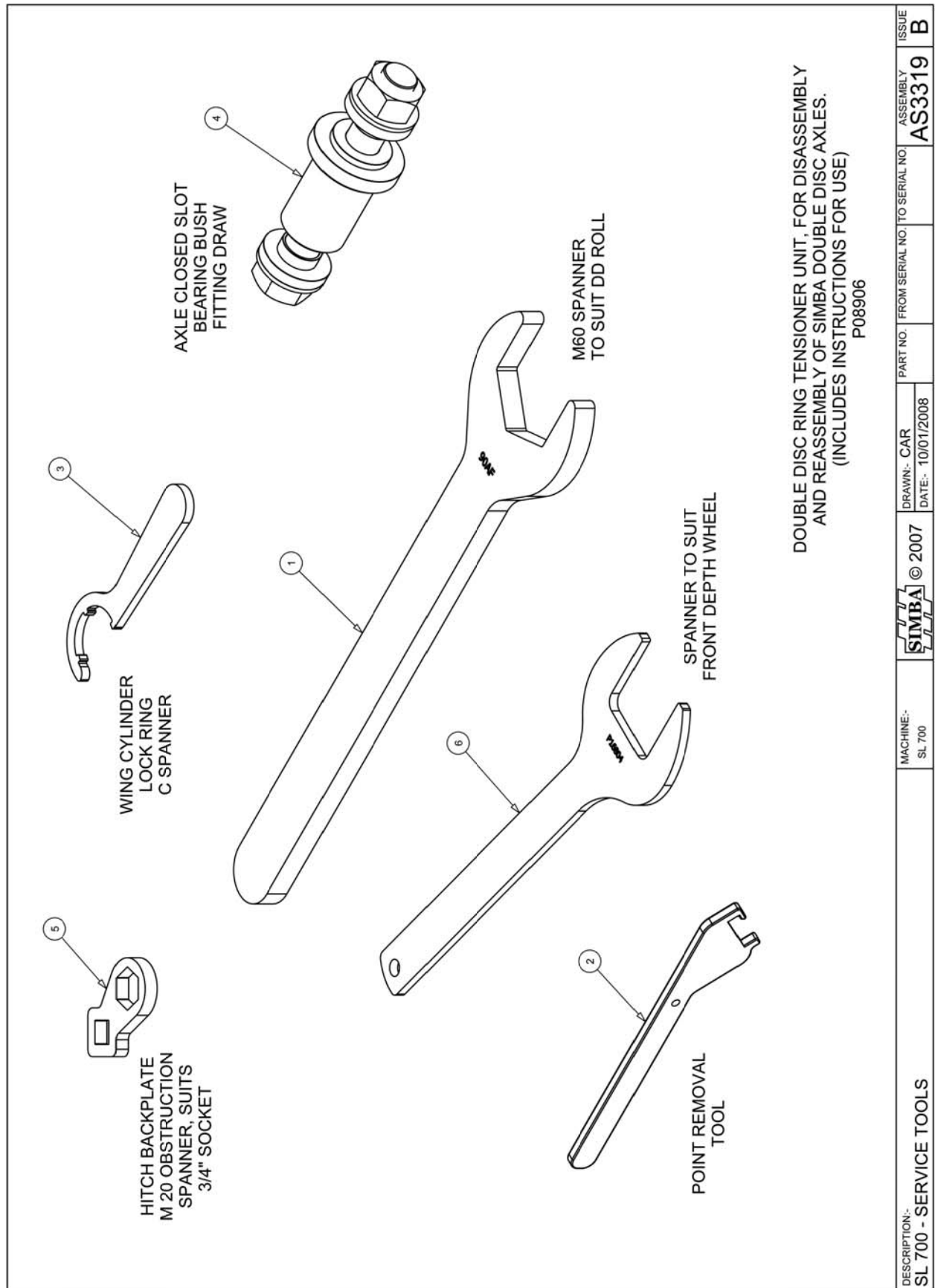
AS4024		REAR LIGHT BOARD COMPONENTS - RH			
ITEM	PART NO	DESCRIPTION	QTY	COMMENTS	
1	P05796	REFLECTOR - RED	1		
2	P06400	BOLT M4x15 GR. 8.8	2		
3	P06401	NUT PLAIN M4	2		
4	P06402	WASHER FLAT M4	2		
5	P12717	NUT PLAIN M5	2		
6	P15559	LIGHT UNIT (ITEMS 5, 8, 9 & 1	1	COMPLETE UNIT	
7	P15600	LIGHT BOARD FL/RR	1		
8	P15681	WASHER FLAT M5	2		
9	P17437	LENS	1		
10	P17524	CASE	1		
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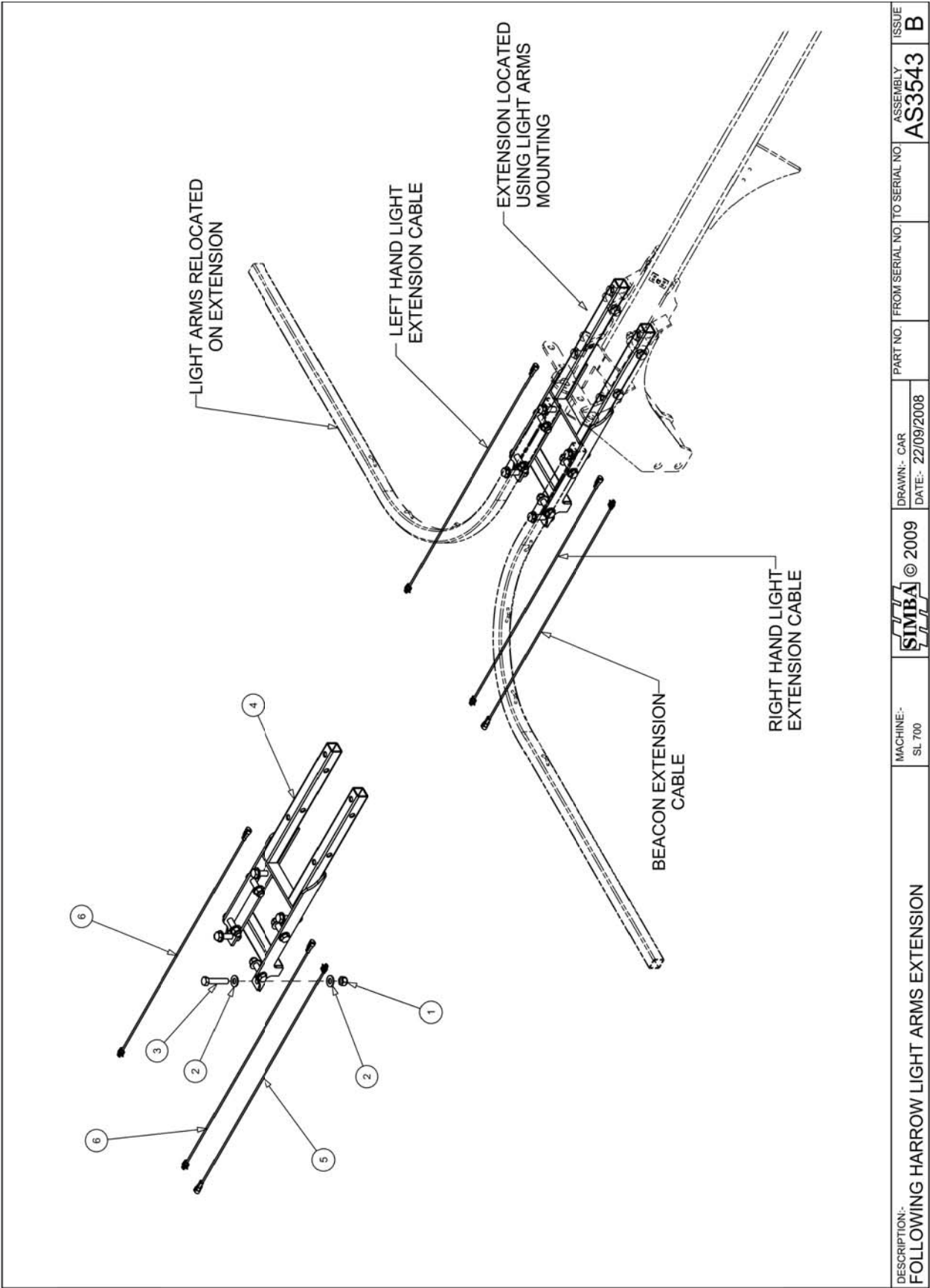
AS4023		REAR LIGHT BOARD COMPONENTS - LH			
ITEM	PART NO	DESCRIPTION	QTY	COMMENTS	
1	P05796	REFLECTOR - RED	1		
2	P06400	BOLT M4x15 GR. 8.8	2		
3	P06401	NUT PLAIN M4	2		
4	P06402	WASHER FLAT M4	2		
5	P12717	NUT PLAIN M5	2		
6	P15559	LIGHT UNIT (ITEMS 5,8, 9 & 1	1	COMPLETE UNIT	
7	P15594	LIGHT BOARD FR/RL	1		
8	P15681	WASHER FLAT M5	2		
9	P17437	LENS	1		
10	P17524	CASE	1		
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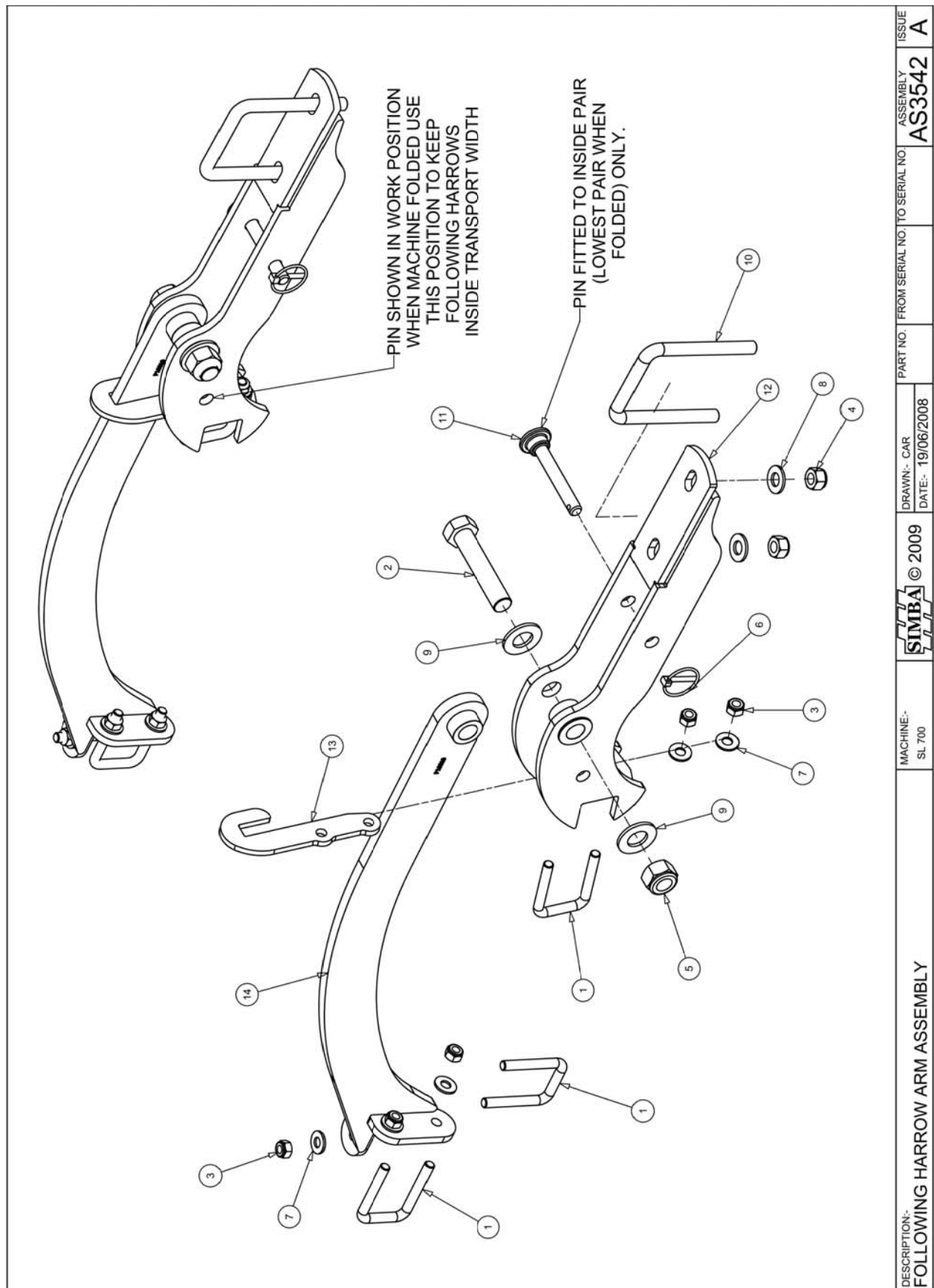
AS3074		STICKER LAYOUT SL 700		
ITEM	PART NO	DESCRIPTION	QTY	
1	P08923	DECAL - DD SMALL	4	
2	P11641	DECAL - LEAKING OIL	2	
3	P11642	DECAL - ATTENTION	1	
4	P11643	DECAL - FALLING WINGS	1	
5	P11644	DECAL - DO NOT RIDE	1	
6	P11645	DECAL - HAND TRAP	9	
7	P11694	DECAL - GREASE 10 HOURS	8	
8	P11697	DECAL - ANTI TAMPER	1	
9	P11698	DECAL - MAX LOAD 650 kg	1	
10	P11700	DECAL - MADE GREAT	1	
11	P12558	DECAL - AXLE TENSION	4	
12	P13387	DECAL - SIMBA 85x150	8	
13	P14606	DECAL - POINTER	2	
14	P14607	DECAL - MARKER	2	
15	P15173	DECAL - GREASE 200 HOURS	4	
16	P15174	DECAL - RED STRIPE	2	
17	P15187	DECAL - GREASE 100 HOURS	42	
18	P15457	DECAL - SIMBA 200x350	2	
19	P15624	DECAL - SL700 1250x175	2	
20	P15869	DECAL - CHAIN DOWN LIFT	2	
21	P16838	DECAL-SPEED	1	
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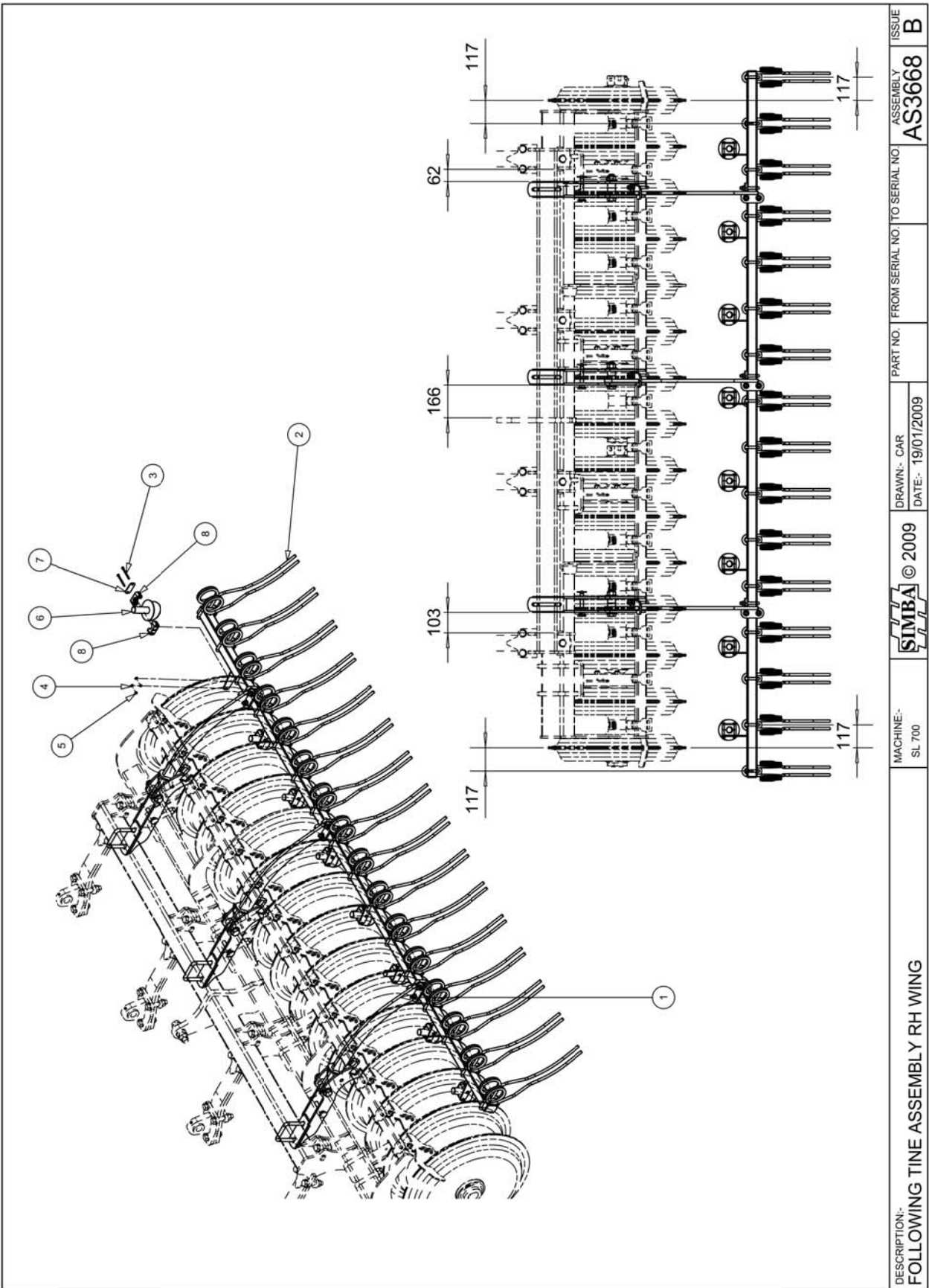
AS3319		OPTIONAL SERVICE TOOLS			
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1	P08853	SPANNER 90AF OPEN	1		
2	P12725	POINT REMOVAL TOOL	1		
3	P12857	LOCK RING SPANNER	1		
4	P15709	CLOSED SLOT ID 36 BUSH ASSEMBLY TC	1		
5	P16215	M20 OBSTRUCTION SPANNER	1		
6	P16804	FNT WHEEL SPANNER	1		
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AS3543		F/HARROW LIGHT ARMS EXTENSION		
ITEM	PART NO	DESCRIPTION	QTY	
1	P02008	NUT LOCK M16 'TYPE T'	8	
2	P02602	WASHER FLAT M16	16	
3	P12787	BOLT M16x75 GR8.8	8	
4	P16612	LIGHTS EXTENSION	1	
5	P16661	BEACON EXTENSION CABLE	1	
6	P16662	LIGHTS EXTENSION CABLE	2	
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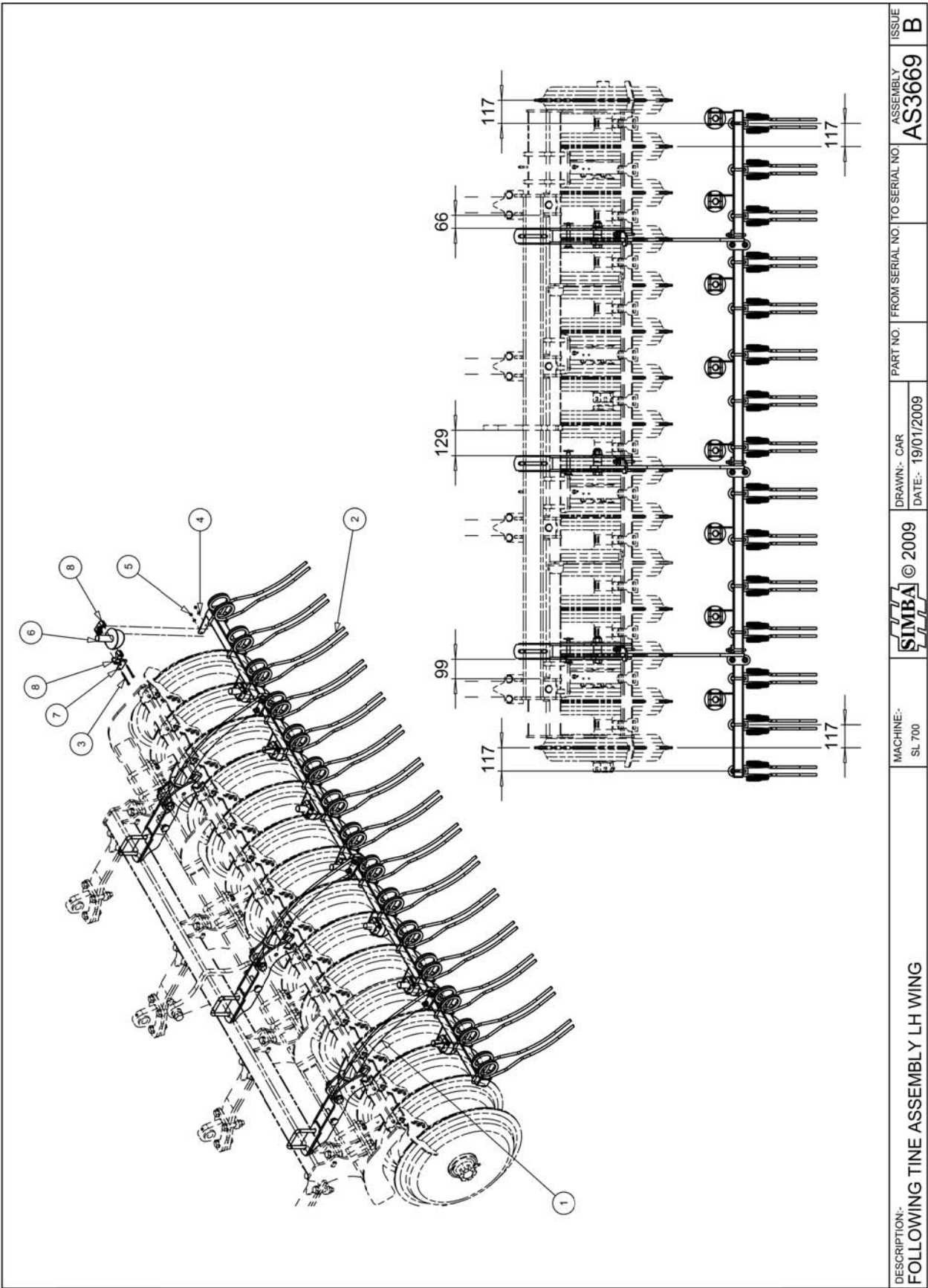


AS3542		FOLLOWING HARROW ARM ASSEMBLY		
ITEM	PART NO	DESCRIPTION	QTY	COMMENTS
1	H23410901	BOLT U M12 GR8.8 85x64	3	
2	P00019	BOLT M24x120 GR. 8.8	1	
3	P02007	NUT LOCK M12	6	
4	P02008	NUT LOCK M16 'TYPE T'	2	
5	P02010	NUT LOCK M24	1	
6	P02483	LYNCH PIN CAT 1	1	
7	P02601	WASHER FLAT M12	6	
8	P02602	WASHER FLAT M16	2	
9	P02604	WASHER FLAT M24 Ø50	2	
10	P03704	BOLT U M16 GR8.8 145x117	1	
11	P13744	PIN Ø16x108	1	
12	P16599	HARROW MOUNTING	1	
13	P16601	HARROW LIMIT STOP	1	
14	P16610	HARROW ARM	1	
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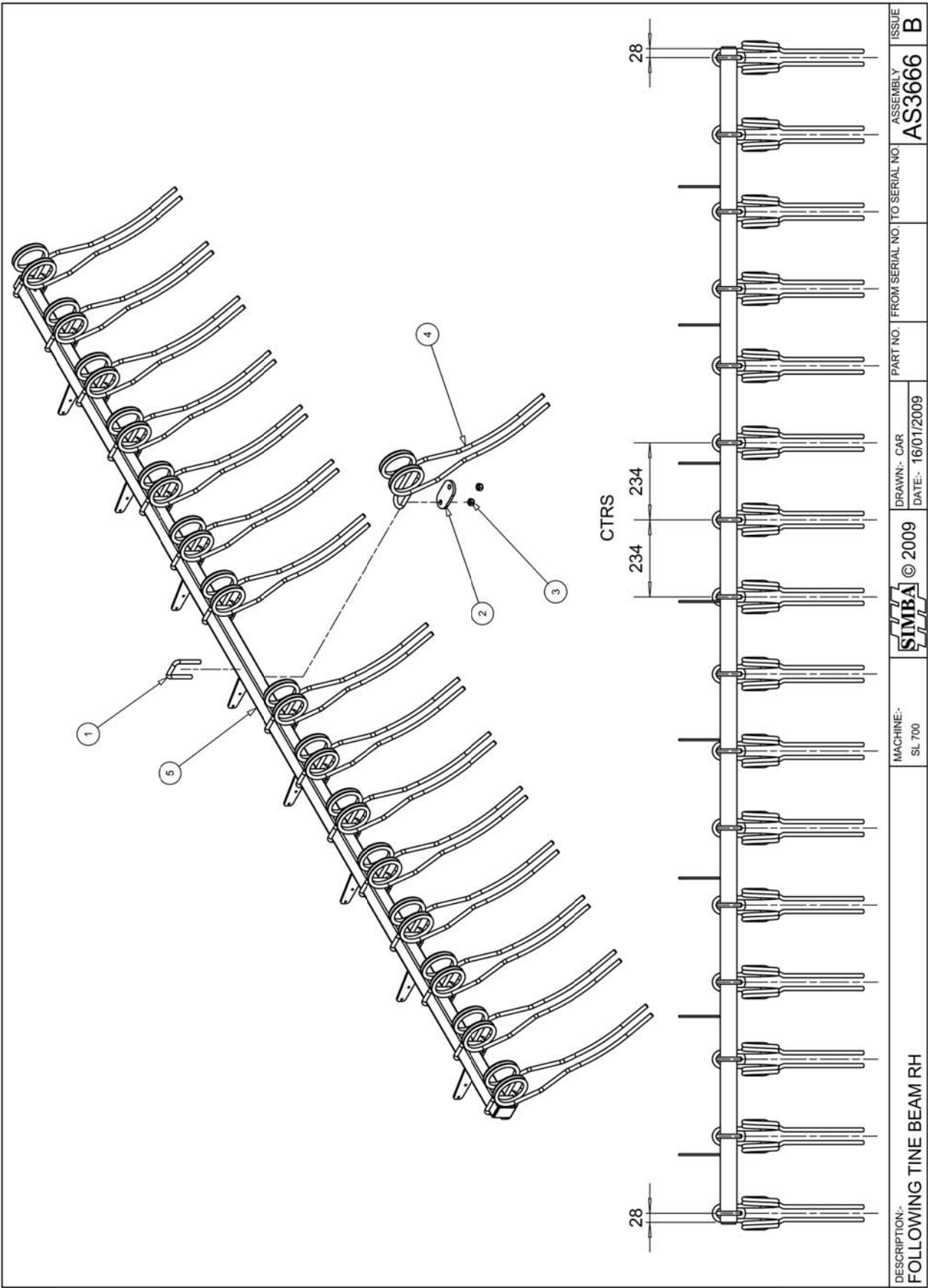


DESCRIPTION: FOLLOWING TINE ASSEMBLY RH WING	MACHINE: SL 700	 © 2009	DRAWN:- CAR DATE:- 19/01/2009	PART NO.	FROM SERIAL NO. TO SERIAL NO.	ASSEMBLY AS3668	ISSUE B

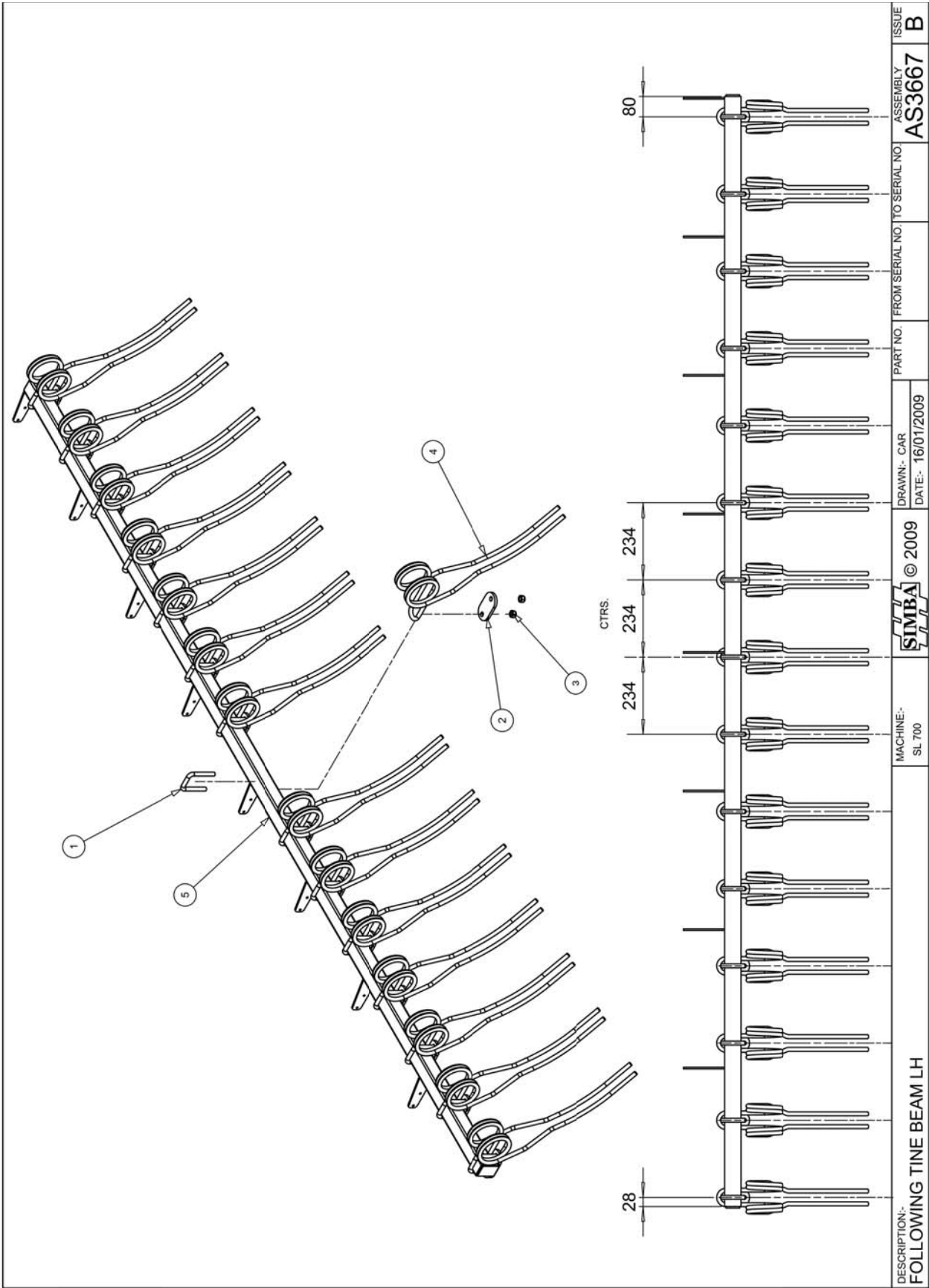
AS3668		FOLLOWING TINE ASSEMBLY RH WING		
ITEM	PART NO	DESCRIPTION	QTY	
1	AS3542	FOLLOWING HARROW ARM ASSEMBLY	3	
2	AS3666	FOLLOWING TINE BEAM RH	1	
3	P05399	BOLT M6x75 GR. 8.8	16	
4	P05400	WASHER FLAT M6	16	
5	P07981	NUT LOCK M6	16	
6	P14473	DISTRIBUTOR HEAD	8	
7	P14476	TOP PLATE	8	
8	P14477	STAUFF CLAMP - 1 1/4"	16	
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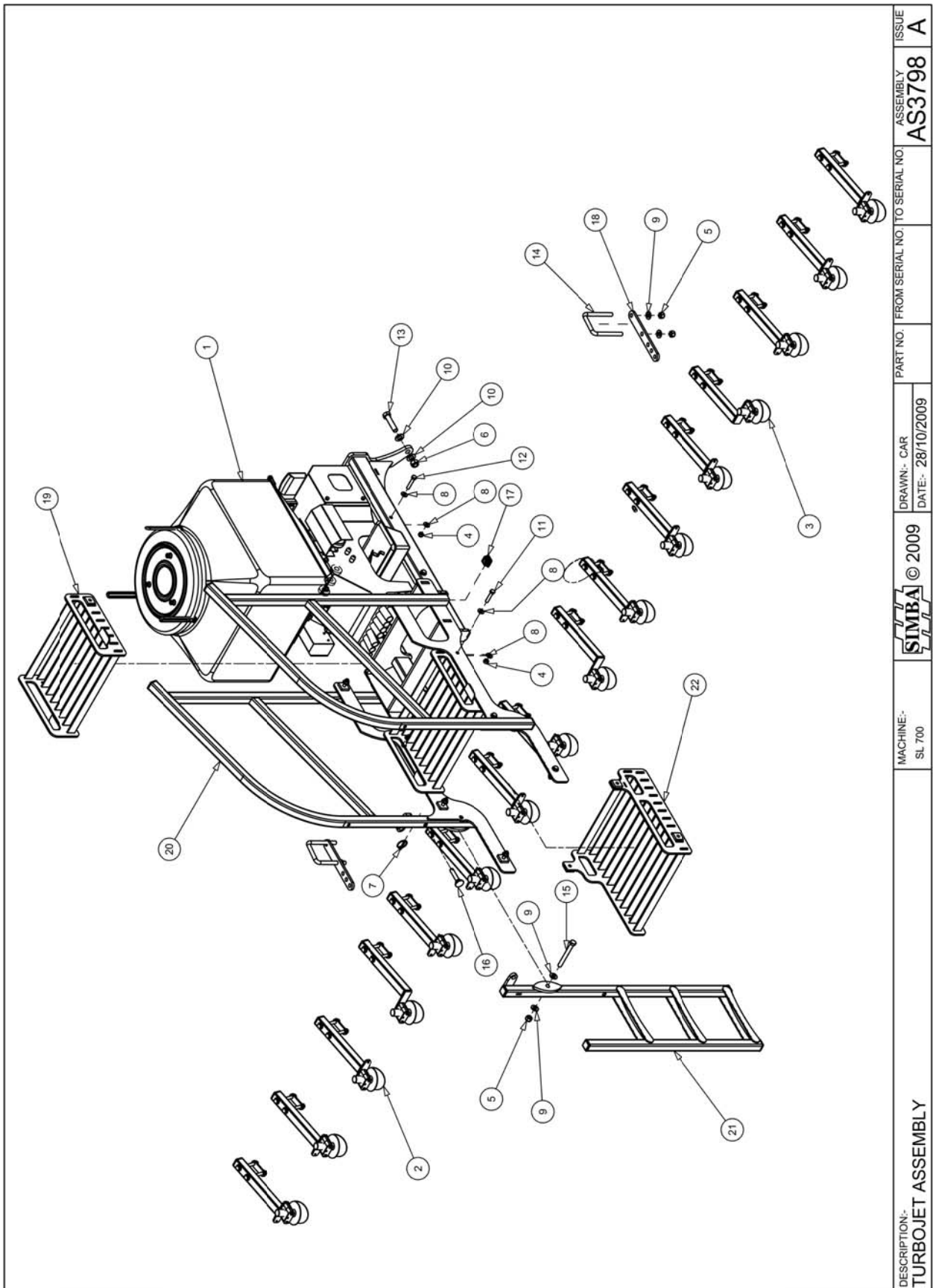
AS3669		FOLLOWING TINE ASSEMBLY LH WING		
ITEM	PART NO	DESCRIPTION	QTY	COMMENTS
1	AS3542	FOLLOWING HARROW ARM ASSEMBLY	3	
2	AS3667	FOLLOWING TINE BEAM LH	1	
3	P05399	BOLT M6x75 GR. 8.8	16	
4	P05400	WASHER FLAT M6	16	
5	P07981	NUT LOCK M6	16	
6	P14473	DISTRIBUTOR HEAD	8	
7	P14476	TOP PLATE	8	
8	P14477	STAUFF CLAMP - 1 1/4"	16	
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AS3666		FOLLOWING TINE BEAM RH		
ITEM	PART NO	DESCRIPTION	QTY	
1	H23410901	BOLT U M12 GR8.8 85x64	16	
2	H34332701	RETAINING PLATE	16	
3	P02007	NUT LOCK M12	32	
4	P15992	HARROW TINE - DOUBLE	16	
5	P16932	FOLLOWING TINE BEAM	1	
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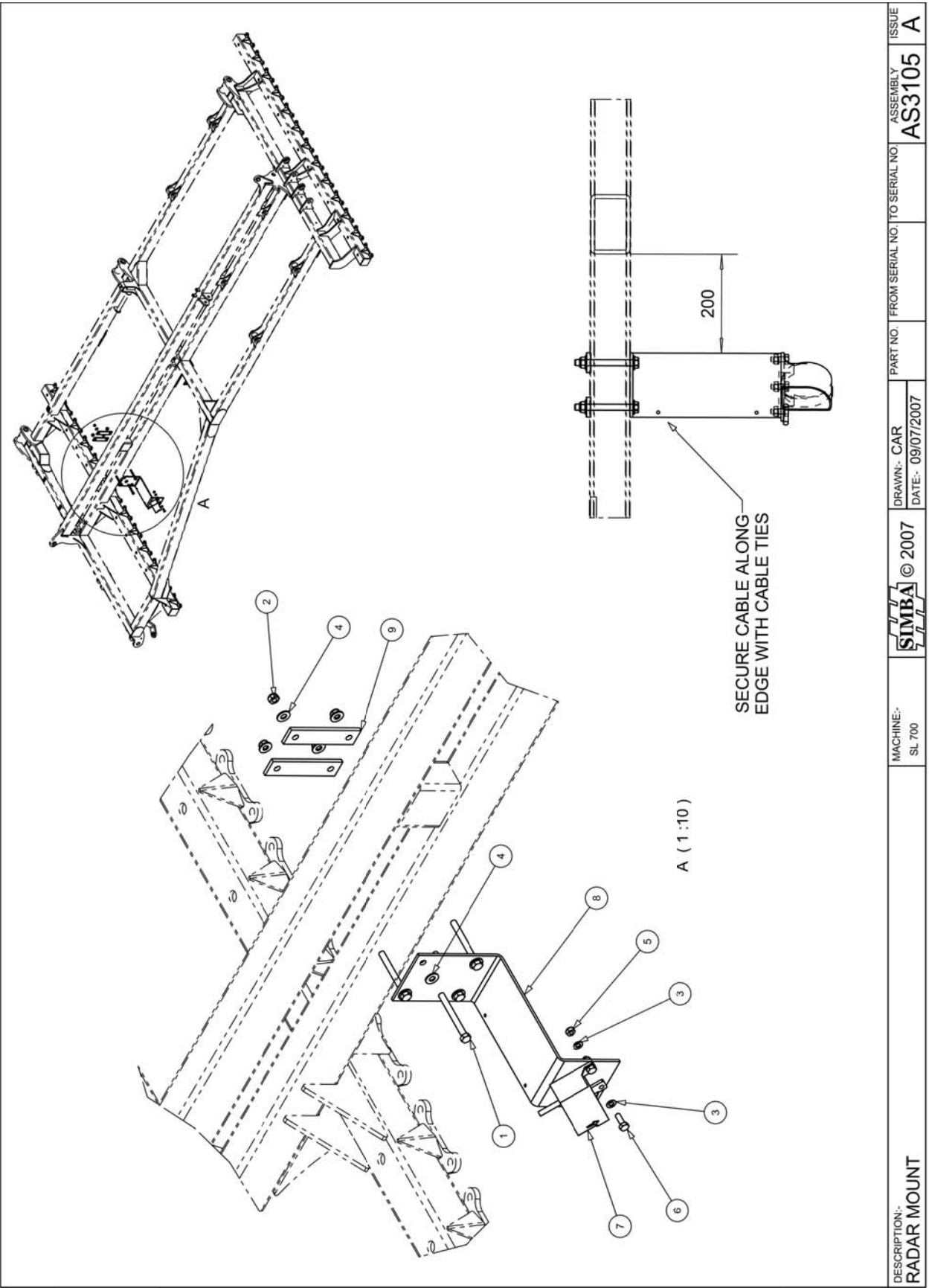


AS3667		FOLLOWING TINE BEAM LH		
ITEM	PART NO	DESCRIPTION	QTY	
1	H23410901	BOLT U M12 GR8.8 85x64	15	
2	H34332701	RETAINING PLATE	15	
3	P02007	NUT LOCK M12	30	
4	P15992	HARROW TINE - DOUBLE	15	
5	P16933	FOLLOWING TINE BEAM	1	
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DESCRIPTION: TURBOJET ASSEMBLY	MACHINE:- SL 700	 © 2009 DRAWN:- CAR DATE:- 28/10/2009	PART NO. FROM SERIAL NO. TO SERIAL NO. AS3798 ISSUE A
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AS3798		TURBOJET ASSEMBLY		
ITEM	PART NO	DESCRIPTION	QTY	COMMENTS
1	AS3078	TURBOJET - GENERAL ASSEMBLY	1	
2	AS3799	OSR OUTLETS LH WING	1	
3	AS3800	OSR OUTLETS RH WING	1	
4	P02007	NUT LOCK M12	12	
5	P02008	NUT LOCK M16 'TYPE T'	5	
6	P02009	NUT LOCK M20	2	
7	P02483	LYNCH PIN CAT 1	1	
8	P02601	WASHER FLAT M12	24	
9	P02602	WASHER FLAT M16	6	
10	P02603	WASHER FLAT M20	4	
11	P03088	BOLT M12x60 GR. 8.8	8	
12	P03089	BOLT M12x65 GR. 8.8	4	
13	P03116	BOLT M20x90 GR. 8.8	2	
14	P03704	BOLT U M16 GR8.8 145x117	2	
15	P04201	BOLT M16x140 GR. 8.8	1	
16	P05207	PIN Ø16x73	1	
17	P07543	PLASTIC END CAP 40x40	10	
18	P16844	OSR HOSE SUPPORT	2	
19	P17307	PLATFORM	2	
20	P17313	TURBOJET MOUNT SL700	1	
21	P17332	LADDER	1	
22	P17339	OSR STEP	1	
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AS3105		RADAR MOUNT		
ITEM	PART NO	DESCRIPTION	QTY	COMMENTS
1	P01650	BOLT M12x120 GR. 8.8	4	
2	P02007	NUT LOCK M12	4	
3	P02600	WASHER FLAT M10	6	
4	P02601	WASHER FLAT M12	8	
5	P05534	NUT LOCK M10	3	
6	P12690	BOLT M10x30 GR. 8.8	3	
7	P15589	RDS RADAR	1	
8	P15703	RADAR MOUNT	1	
9	P15704	RETAINING PLATE	2	
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AS3800		OSR OUTLETS RH WING		
ITEM	PART NO	DESCRIPTION	QTY	
1	P01650	BOLT M12x120 GR. 8.8	16	
2	P02007	NUT LOCK M12	16	
3	P02601	WASHER FLAT M12	32	
4	P05399	BOLT M6x75 GR. 8.8	16	
5	P05400	WASHER FLAT M6	10	
6	P07543	PLASTIC END CAP 40x40	8	
7	P07981	NUT LOCK M6	10	
8	P14473	DISTRIBUTOR HEAD	8	
9	P14476	TOP PLATE	8	
10	P14477	STAUFF CLAMP - 1 1/4"	16	
11	P14695	CLAMP PLATE	8	
12	P16793	OSR OUTLET STEM	6	
13	P16794	OSR OUTLET CTR STEM RH	1	
14	P16795	OSR OUTLET CTR STEM LH	1	
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AS3799		OSR OUTLETS LH WING		
ITEM	PART NO	DESCRIPTION	QTY	
1	P01650	BOLT M12x120 GR. 8.8	16	
2	P02007	NUT LOCK M12	16	
3	P02601	WASHER FLAT M12	32	
4	P05399	BOLT M6x75 GR. 8.8	16	
5	P05400	WASHER FLAT M6	10	
6	P07543	PLASTIC END CAP 40x40	8	
7	P07981	NUT LOCK M6	10	
8	P14473	DISTRIBUTOR HEAD	8	
9	P14476	TOP PLATE	8	
10	P14477	STAUFF CLAMP - 1 1/4"	16	
11	P14695	CLAMP PLATE	8	
12	P16793	OSR OUTLET STEM	6	
13	P16794	OSR OUTLET CTR STEM RH	1	
14	P16795	OSR OUTLET CTR STEM LH	1	
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